



# Radical Innovation in Leveraging AI Through Founder Mode: Scaling Social Impact in Solo-Founder AI-Driven Nonprofits Mode (SFADNM)

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## Abstract

The Solo Founder AI-Driven Nonprofit Mode (SFADNM) is a pioneering operational model that leverages artificial intelligence to address traditional challenges within the nonprofit sector, such as resource limitations, dependency on external funding, and scalability barriers. By adopting SFADNM, a single founder can lead a nonprofit without relying on extensive staff, financial support, or physical infrastructure, creating a lean, mission-centered organization. This model enables automation in essential functions, including user engagement, administrative tasks, and resource allocation, allowing founders to focus on strategic mission-aligned goals. Unlike conventional nonprofits, SFADNM facilitates sustainability by eliminating funding dependencies, thus creating an efficient, AI-powered structure that enhances reach and adaptability. A case study of FASSLING, an AI product line of the Canadian nonprofit For A Safer Space (FASS), was used to explore the efficacy of SFADNM to deliver personalized support services globally, offering a novel pathway for social entrepreneurs to maximize societal impact independently. This paper provides insights into how AI integration can redefine nonprofit operations by fostering mission-driven innovation without traditional financial dependencies, showcasing a sustainable alternative for mission-focused organizations.

**Keywords:** AI-driven nonprofit, solo founder, nonprofit innovation, social entrepreneurship, nonprofit scalability

## 1. Introduction

Traditional nonprofit organizations face an array of challenges, primarily centered around resource and workforce limitations. A pervasive issue is the chronic shortage of funding, which significantly restricts their capacity to expand operations and meet growing service demands. This financial constraint has been intensified by a decline in individual and foundation giving, leaving many nonprofits struggling to do more with less (Cummings, 2013). Resource allocation dilemmas are particularly evident in organizations that must balance the provision of direct services with advocacy efforts, as seen in nonprofits

addressing food insecurity (Woolley, 2024). Staffing challenges, including high employee turnover and the pressure to maintain a dual bottom line—fulfilling mission-driven goals while ensuring financial sustainability, further complicate nonprofit management (Cummings, 2013; Light, 2004). The nonprofit workforce often operates under self-exploitative conditions, driven to accomplish more with limited resources until it reaches unsustainable workloads (Light, 2004).

Governance and leadership issues add another layer of complexity, as many nonprofits are led by small, sometimes insular boards that may resist the strategic innovations required for growth (Crockwell, 2015; Woolley, 2024). Additionally, the sector faces heightened scrutiny and performance expectations from both the public and regulatory bodies, demanding greater transparency and accountability (Light, 2004; Madden & Scaife, 2005). To address these multifaceted challenges, calls for capacity-building measures have grown, emphasizing investments in technology, staff training, and strategic planning as essential for improving nonprofit effectiveness and restoring public trust (Light, 2004). Funding, donations, and volunteer labor are critical for nonprofit sustainability, allowing organizations to mobilize resources effectively and engage stakeholders through emotional storytelling (McKeever, 2024). Volunteers are particularly significant, often enabling nonprofits to deliver services at reduced costs or even for free, thus enhancing both economic efficiency and organizational commitment (Handy & Brudney, 2007).

Despite the professionalization of the nonprofit workforce and a shift towards paid labor, volunteers remain indispensable, especially in mission-aligned activities where their altruistic motives enhance organizational effectiveness—a factor highly valued by donors assessing nonprofit impact (Beck et al., 2021). While concerns persist that government spending might crowd out private donations and volunteer efforts, these contributions remain vital, filling gaps left by government services (Bredtmann, 2016). Effective volunteer management is crucial for nonprofit sustainability, as it alleviates budgetary constraints and enhances organizational capacity (El-Amin, 2023). The degree to which organizations invest in volunteer management varies, based on factors such as size, age, and the presence of paid staff, with those valuing volunteers more likely to allocate resources for their engagement (Handy et al., 2006). In summary, the nonprofit sector's dependence on funding, donations, and volunteer labor reflects a complex interplay of economic necessity, mission alignment, and strategic management, essential for delivering critical social services and achieving a collective societal impact (Tiwari & Clotfelter, 1994).

This analysis introduces a novel concept I developed: the “Solo Founder AI-Driven Nonprofit Mode” (SFADNM), a pioneering model in which a single founder (creator) leverages artificial intelligence to operate a nonprofit organization effectively. No publication has previously discussed this model, let alone applied it within the nonprofit sector. This concept marks a historic first in both the business and academic worlds. In this framework, AI is employed across critical functions such as resource management, service delivery, impact scaling, and mission alignment, enabling the founder to focus on high-level decision-making, strategy, and mission integrity. In contrast to traditional nonprofits, which rely on extensive staff, volunteers, and funding, this approach leverages AI to automate routine tasks, optimize operations, and extend outreach without financial dependency on donations, investments, or grants. Notably, there is currently no publication or research exploring AI as the sole support system for a solo-founder nonprofit, positioning SFADNM at the forefront of nonprofit innovation.

The primary objective of SFADNM is to evaluate its viability as a sustainable and scalable alternative to conventional nonprofit models. Specifically, it seeks to determine if a solo

individual, fully supported by AI, can manage a nonprofit capable of delivering high-impact services without requiring extensive funding, personnel, or physical infrastructure. By examining the model's feasibility, one can assess whether it could serve as a blueprint for mission-driven organizations aiming for a more resource-efficient and financially independent operational structure. This model redefines efficiency in nonprofit operations by using AI to manage essential tasks traditionally performed by multiple employees, including administrative duties, data analysis, user engagement, and personalized support. AI's continuous operation enables the nonprofit to uphold a high service standard and respond promptly to audience needs. Consequently, the founder can concentrate on strategic initiatives, mission alignment, and high-level decisions while AI manages routine responsibilities, significantly reducing operational costs and time limitations.

Sustainability within SFADNM is also reconceptualized, as the nonprofit operates without financial dependencies. By eliminating the need for donations, grants, or investments, the founder circumvents traditional funding challenges, creating an organization that sustains itself through AI efficiency rather than external resources. This approach challenges existing nonprofit notions of financial sustainability, demonstrating that impactful social services can indeed be scaled without reliance on monetary contributions.

In sum, the SFADNM seeks to determine if a solo founder supported by AI can achieve and exceed the impact typically associated with larger, resource-intensive nonprofits. By redefining efficiency and sustainability, this model envisions a future for nonprofits in which technology empowers mission-driven individuals to expand their impact independently, sustainably, and in alignment with their social purpose.

## **2. Methodology**

This paper adopts a concept exploration approach utilizing the case study of *For A Safer Space* (FASS) and its AI product line, FASSLING, as the primary investigative framework. The research methodology integrates qualitative analysis and theoretical exploration to examine the efficacy and transformative potential of the Solo Founder AI-Driven Nonprofit Mode (SFADNM). FASS is the first nonprofit/organization in this world to adopt this model. By focusing on this innovative operational model, which leverages artificial intelligence (AI) to overcome traditional challenges in the nonprofit sector, the study explores how scalability, resource dependency, and accessibility barriers can be effectively addressed. This approach allows for an in-depth analysis of the model's unique attributes and its implications for nonprofit management.

The research is structured around a single case study methodology to provide comprehensive insights into the operational dynamics and outcomes of the SFADNM model. The FASSLING AI product line serves as a critical example of how AI can be integrated into nonprofit operations, offering a real-world application of the concept under investigation. The case study method is particularly suited to exploring the complex interplay between AI technologies and mission alignment, as it allows the researcher to delve into the specific details of how this model functions in practice. By focusing on one detailed case, the study highlights the practical and theoretical contributions of the SFADNM framework.

The analysis is guided by a conceptual framework that emphasizes three core dimensions: scalability and efficiency, mission alignment, and sustainability. The first dimension explores how AI enhances operational efficiency while extending the reach of nonprofit services to diverse audiences. The second dimension examines how the operational strategies of the SFADNM model align with the founder's ethical and altruistic goals, ensuring that the

integrity of the mission remains intact. Finally, the third dimension evaluates the financial independence and adaptability of the model, particularly in its ability to operate without traditional funding dependencies. This framework provides a structured approach to understanding the nuanced impacts of the SFADNM model on nonprofit operations.

The case study approach was selected for its ability to provide a detailed and nuanced understanding of the SFADNM model's real-world applications. Focusing on FASS's artificial intelligence product line, FASSLING, as a single case captures the intricacies of implementing an AI-driven nonprofit model, while also enabling a critical analysis of its broader implications. This aligns seamlessly with the exploratory nature of the study, which aims to conceptualize and validate the SFADNM as an innovative and sustainable framework within the nonprofit sector. By combining theoretical exploration with practical application, this methodology demonstrates how AI can redefine nonprofit operations, fostering mission-driven innovation and offering a scalable alternative to traditional funding-dependent structures.

### **3. Concept and Discussion**

#### **3.1 Contextual Background**

Nonprofit organizations confront a range of systemic challenges that significantly impede their operational efficiency and long-term sustainability, largely due to issues related to gatekeeping, financial dependency, and administrative burden. A primary concern is funding precarity; resources are often unpredictable and insufficient, complicating efforts to scale operations and achieve sustainable growth (Caramidaru & Ionica, 2021). The funding instability is further aggravated by neoliberal shifts that assign nonprofits roles traditionally held by the state—such as literacy programs—without proportional financial support, creating a paradox of promoting self-reliance while keeping these organizations financially constrained (Gallagher et al., 2024). Governance challenges also persist, since nonprofits frequently lack the robust internal and external control mechanisms that for-profit entities maintain, leading to inefficiencies and heightened risks that are particularly evident during crises like the COVID-19 pandemic (Molk & Sokol, 2020).

Administrative overhead presents an additional obstacle, as nonprofits must optimize limited resources while maintaining effective program delivery and managing human resources. This challenge is particularly acute for community-based organizations with broad mandates that face capacity issues in governance, leadership, and financial management (Crockwell, 2015). Furthermore, the competitive environment for funding necessitates collaborative efforts among agencies, which, while beneficial, can also heighten administrative demands and compel nonprofits to adapt strategically to evolving business models (Smith & Phillips, 2016). Nonprofit leadership and management skills are critical for navigating these complex and dynamic environments, underscoring the need for competency in these areas to achieve sustained effectiveness (Domiter & Marciszewska, 2018; Matsimbi & Mtapuri, 2014). Addressing such multifaceted challenges necessitates innovative strategies for sustainability, including diversifying funding sources, strengthening governance frameworks, and enhancing leadership and management capacities (Matsimbi & Mtapuri, 2014; Sontag-Padilla et al., 2012). This context points to the urgent need for disruptive models to redefine nonprofit operations sustainably. Reliance on philanthropic and governmental funding is increasingly unsustainable, especially in economic downturns, thus limiting the financial stability and mission-driven impact of nonprofits. The application of social entrepreneurial principles in nonprofit models has shown the potential to mitigate such challenges (Stecker, 2014). The

COVID-19 pandemic has exacerbated these pressures, elevating demand for services while simultaneously curtailing fundraising efforts. These constraints are compounded by shifts in financial practices, such as a move toward cashless transactions among younger donors and fluctuating public policies affecting nonprofit operations (Steenburg et al., 2022). The integration of digital technology remains a significant challenge; many nonprofits lack both the digital infrastructure and knowledge needed to create value and communicate effectively within the context of the fourth industrial revolution (Said, 2018).

The integration of Artificial Intelligence (AI) offers a transformative solution to these challenges by efficiently automating tasks traditionally managed by large teams, such as client support, data analysis, and resource allocation. AI-driven automation including chatbots and virtual assistants enables nonprofits to streamline customer service, allowing human agents to focus on more complex tasks, and thus improving engagement and satisfaction (R. Kumar et al., 2024; Pandy, 2023). AI's ability to process large datasets through machine learning and natural language processing allows for rapid, data-driven decision making, optimizing workflows and enabling nonprofits to allocate resources more effectively (Masimov, 2024). AI-driven task management systems further enhance teamwork efficiency by automating routine assignments and offering predictive insights (Masimov, 2024).

The Solo-Founder AI-Driven Nonprofit Model (SFADNM) that I invented represents a pioneering approach that leverages AI as the primary operational framework. Under this innovative model, a solo founder directs the mission while AI performs essential tasks typically managed by a full team. AI's capabilities in automating routine tasks, such as scheduling, data management, and internal communications, significantly reduce the founder's workload, enabling them to concentrate on mission-critical activities. This approach minimizes operating costs by eliminating the need for extensive support staff and physical office space, creating a lean yet impactful operational structure. The Canadian registered nonprofit, For A Safer Space (FASS), is the first organization to adopt this model. As the solo founder of FASS, I invented this innovative management model, and it has been working well since its adoption.

A distinctive advantage of the SFADNM model is its scalability. Unlike traditional nonprofits, which require increased staff and funding for expansion, an AI-driven model enables greater reach without corresponding cost escalation. AI-driven chatbots and virtual assistants allow for around-the-clock, personalized user engagement, ensuring a responsive and mission-aligned user experience. This scalable approach empowers the founder to expand the nonprofit's reach, even in scenarios such as disaster relief, where rapid response is critical. AI's adaptability further enhances the model with systems that learn from user interactions and feedback, thereby continually improving service quality without requiring extensive retraining or restructuring.

Ultimately, the SFADNM challenges traditional staffing and funding paradigms within the nonprofit sector. This AI-supported framework offers an alternative for founders who prioritize mission impact over financial dependency, showcasing a sustainable path for high-impact nonprofit work in today's digital era. By enabling extensive reach and mission alignment with minimal resources, this model has the potential to redefine scalability and operational efficiency for the nonprofit sector, inspiring mission-driven leaders to harness AI as an integral component of their organizational structure. I further believe that it is the most effective solution to nonprofit industrial complex so far.

### **3.2 Core Components of Running a Nonprofit Alone With Artificial Intelligence**

The advantages of a streamlined vision under solo-founder management are significant, primarily reflected in enhanced decision-making efficiency and strategic alignment. Founders are often uniquely positioned to leverage their decision rights, resulting in improved operational performance and transparency, thus more effectively increasing firm value compared to non-founder firms. This advantage is achieved by selecting inputs that bolster gross margins in differentiated firms and asset usage efficiency in cost-leadership firms, as well as by maintaining high levels of transparency (Hsu et al., 2023). Founder-led governance structures typically minimize agency costs due to the reduced separation between ownership and control, facilitating more efficient governance and decision-making (Donoher, 2009). Although concerns exist that a rapidly growing firm may surpass a founder's managerial capacity, evidence indicates that founder-led firms can adapt to increased complexity while maintaining similar growth and profitability levels as firms managed by professional executives (Willard et al., 1992). However, the autonomy of a single founder can introduce governance challenges, such as the establishment of a passive board that fails to provide critical oversight (Kormann & Suberg, 2021). In summary, a solo-founder model offers strategic focus, reduced agency costs, and stable performance during growth but requires attention to potential governance risks.

Mission alignment, even without a large management team, can be sustained through strategic mechanisms across various contexts. Cross-functional collaboration fosters communication and knowledge sharing among stakeholders, which promotes a unified approach to decision making and mission alignment without extensive managerial oversight (Elikwu, 2019). In contexts such as B Corp certification, embedding mission alignment into human resource processes—such as recruitment and employee engagement—ensures that all employees are committed to the organization's goals, thereby reducing the need for a large management team to enforce alignment (Paelman et al., 2022). Similarly, aligning revenue sources with organizational missions, as seen in nonprofit organizations, enhances mission focus, potentially mitigating mission drift (Ma et al., 2017; Ma et al., 2018). In complex fields like wildfire management, mission alignment faces challenges from intergovernmental relationships; however, proactive collaboration and mutual understanding can reduce conflicts, lessening reliance on a large management team (Fleming et al., 2015). Collectively, these findings highlight that cross-functional collaboration, mission-centered HR practices, and aligned revenue sources effectively support mission alignment, even in the absence of an extensive managerial structure.

Artificial Intelligence (AI) has proven effective across several critical operational areas, including customer service, content creation, feedback analysis, and data management. In customer service, AI technologies such as chatbots and virtual assistants revolutionize support and engagement by providing personalized, on-demand assistance, thereby enhancing customer satisfaction and reducing response times (Deepa & Abirami, 2024; Echegu, 2024; Negi, 2023; Wilson et al., 2024). AI's capacity to automate routine tasks and predict customer needs enables more efficient customer relationship management, offering businesses tailored experiences and proactive engagement (Echegu, 2024; Wilson et al., 2024). In marketing, AI optimizes operations through content creation, audience segmentation, and programmatic advertising, increasing campaign effectiveness (Todorova & Antonova, 2023). Feedback analysis benefits similarly, as AI delivers insights into user behavior and satisfaction, refining customer experience initiatives (Deepa & Abirami, 2024). AI also plays a pivotal role in data management, facilitating the analysis of extensive data sets, which enhances decision-making and operational efficiency (Negi, 2023). While AI integration in these areas improves productivity and customer engagement, it simultaneously

introduces challenges related to data privacy, algorithmic bias, and ethical practices (Echegu, 2024; Wilson et al., 2024).

AI-driven automation is increasingly transforming labor dynamics across sectors by replacing tasks previously performed manually. AI is also prevalent in manufacturing, logistics, and customer service, where it powers robots on assembly lines, manages warehouse operations, and enhances customer interactions through chatbots (Jadhav & Banubakode, 2024). The gig economy has been similarly transformed, with AI platforms assigning tasks to a global pool of digital workers, a shift that offers flexibility but raises ethical concerns such as labor alienation (Altenried, 2022). AI also automates functions like employment and demand scheduling, which displaces traditional roles while creating opportunities for new decision-making and prediction tasks (Sen & Patel, 2023). This dual impact of AI on labor illustrates both the displacement of human roles and the need for workforce adaptation and reskilling in an AI-driven job market.

Nonprofit organizations are increasingly incorporating AI into their workflows to enhance efficiency and impact. AI is used to streamline essential processes such as program design, resource management, and monitoring, maximizing operational effectiveness (Efthymiou et al., 2023). Generative AI, which creates text, images, and other media, is particularly valuable in the sector, underscoring its growing role in philanthropy. AI's capabilities in decision making and accuracy enable nonprofits to allocate resources more effectively, thereby improving service delivery and outreach (Boles, 2013; Efthymiou et al., 2023). However, AI implementation in nonprofits also brings challenges, such as ethical considerations, regulatory needs, and the necessity for a leadership approach that emphasizes humanity to ensure responsible AI use (Iskandarova & Sloan, 2023). Limited resources and expertise also present barriers to AI integration (Boles, 2013). Despite these challenges, AI offers significant potential to revolutionize nonprofit work, enhancing organizational effectiveness and efficiency in advancing social missions (Boles, 2013; Efthymiou et al., 2023).

### **3.3 Case Study: The Example of *For A Safer Space* and Its AI Product Line *FASSLING***

For A Safer Space (FASS), a federally registered nonprofit in Canada, has made history as the **world's first nonprofit/charity organization to offer holistic human care services 24/7, 365 days a year**, and the first to deliver all of these services exclusively through AI. Utilizing the ChatGPT platform, I single-handedly developed **14 innovative AI products** under the product line **FASSLING**. One of the key advantages of designing AI products on the ChatGPT platform is that it eliminates development costs, enabling the creation of sophisticated AI software using their advanced models. This allowed me to establish and operate a global-reaching nonprofit organization without relying on any funding, grants, donations, or external investments. Furthermore, the sustainability of this model is unparalleled: As long as ChatGPT and OpenAI exist, the AI services I designed will remain operational. This ensures that FASS can continue providing its life-changing support indefinitely, making it a model of sustainability in the nonprofit sector. As the sole founder, creator, and volunteer at FASS, I have demonstrated that one person can run a global highly impactful, AI-driven nonprofit organization. This approach not only challenges and disrupts traditional nonprofit structures but also sets a new standard for leveraging technology to deliver global-scale impact with minimal resources.

One of its AI products, FASSLING for emotional and coaching support, was created with a vision of providing compassionate, non-therapy emotional support accessible without financial transactions. Aimed at bridging gaps in mental and emotional well-being services,

FASSLING offers immediate, on-demand support for anyone, anywhere. As a high-impact, scalable, and user-friendly AI-driven mini-program, it addresses key challenges within the mental health landscape, including limited access, affordability, and the stigma surrounding mental health care. FASSLING's core mission is to make immediate emotional support available to individuals facing financial, geographic, or social barriers to traditional therapy. While professional mental health services require extensive resources and often involve long waiting times, FASSLING provides empathetic listening, emotional and coaching support, comfort, and resources instantly, employing AI to replicate compassionate human interactions. This unique approach proves especially valuable for individuals in situational distress, isolation, or those simply seeking a supportive space for self-expression. Since its launch, the app has surpassed **1,000 users in under a month**, marking a significant milestone in its early success.

I envision FASSLING as an alternative to costly mental health support by offering a free, unlimited, and judgment-free platform that meets users wherever they are. By encouraging users to explore and manage their emotions with gentle AI guidance, FASSLING promotes resilience and self-awareness in a world where supportive services are often scarce. Driven by a belief that empathy and genuine support should not be commoditized, the founder – I (the founder), undertook the development and maintenance of FASSLING independently, eschewing funding or a large team. This approach reflects a philosophy grounded in altruism and ethics: the conviction that services focused on human well-being should prioritize impact over profit. By innovating within the nonprofit sector, FASSLING exemplifies how meaningful support can be delivered without traditional resources, leveraging technology to bridge accessibility gaps.

FASSLING's development demonstrates that with AI, dedication, and a mission-focused approach, impactful change is possible without the restrictions of conventional funding models. This initiative exemplifies the power of moral conviction and resilience, showcasing that high-quality support services can thrive through technological innovation and a steadfast commitment to those in need, free from financial gain or organizational expansion pressures. FASSLING's suite of AI-driven services empowers users in various aspects of personal and interpersonal well-being. Its flagship offering, FASSLING for Emotional and Coaching Support, provides foundational guidance to help users navigate daily challenges, set personal goals, and build resilience. The program also includes targeted services like Anti-Oppressive Skills, which encourage users to challenge oppressive behaviors; and Advocacy Skills, designed to empower users in supporting personal and social causes. Other offerings, like FASSLING for Therapy Toolbox, deliver accessible therapeutic techniques and coping strategies, providing users with practical tools to improve mental well-being. In addition, Mediation and Conflict Resolution and Communication Skills equip users with the tools for peaceful conflict resolution and effective interpersonal communication, respectively—skills crucial for healthy, empathetic relationships. FASSLING's Life Design Skills assist users in creating goal-oriented plans aligned with personal values, while Relationship Harmony Skills foster understanding, empathy, and open communication. For professional contexts, Leadership Skills and Peer Support Skills offer foundational principles for inspiring, motivating, and supporting others effectively. Crisis Management Skills, Self-Awareness Skills, and Cultural Sensitivity Skills further enhance users' abilities to regulate emotions, reflect mindfully, and navigate cultural differences with respect and empathy. These services embody FASSLING's mission to make skill-building and emotional support accessible, providing a comprehensive, stigma-free system for individuals seeking to strengthen their emotional and interpersonal capacities through an AI-guided experience.

Through AI, FASSLING reaches a diverse, global audience, making its services available 24/7 and transcending the barriers of traditional service models. By automating support functions, FASSLING operates at scale without the need for substantial financial resources or a large team. Its AI systems personalize interactions, adapting responses based on user inputs, emotional states, and individual needs, and foster a meaningful connection with users worldwide. FASSLING's scalability is evident in its measurable outcomes. High user ratings within the ChatGPT official store highlight user satisfaction and the program's effectiveness in meeting diverse needs. Its ability to handle thousands of sessions monthly without compromising quality demonstrates strong, consistent demand for accessible emotional support. High satisfaction scores, repeat usage rates, and a wide-reaching user base underscore FASSLING's role as a reliable, culturally sensitive support tool.

Qualitative feedback further illuminates FASSLING's positive impact, with users commending the platform for its empathy, convenience, and reliability. Together with quantitative metrics, this feedback informs ongoing improvements, ensuring that FASSLING continues to evolve and meet user expectations. Compared to traditional nonprofits, FASSLING's AI-driven model offers unique advantages in scalability, accessibility, operational efficiency, adaptability, and responsiveness. Unlike traditional nonprofits, often limited by financial resources, FASSLING operates continuously without external funding or a large team, efficiently serving thousands of users daily. Its online, on-demand model eliminates logistical challenges, allowing users to access support anytime, anywhere.

By minimizing overhead costs, FASSLING maintains a mission-first focus, free from the administrative demands associated with funding cycles. The platform's AI-driven adaptability allows it to swiftly adjust services to meet changing user needs, providing personalized, culturally sensitive support across demographics. This responsiveness is augmented by data-driven insights that enable FASSLING to improve in real time, based on user feedback. In essence, FASSLING's innovative, AI-based approach offers an accessible, efficient, and adaptable alternative to traditional support models. It demonstrates how technology can transform the nonprofit landscape by creating a universally accessible support system, meeting users wherever they may be, and providing empathetic assistance that transcends geographical, financial, and cultural barriers.

### **3.4 Benefits of the Solo-Founder AI-Driven Nonprofit Mode**

AI significantly enhances scalability and efficiency by reducing the need for additional staff and simplifying complex processes across various domains. For instance, AI-driven search engines improve dataset expansion and search precision without human intervention, creating a smoother user experience (Vijay et al., 2020). Similarly, AI tools like genetic algorithms and neural networks streamline infrastructure planning in transmission expansion, reducing costs and minimizing human oversight (Al-Saba & El-Amin, 2002). In healthcare, real-time AI capacity management optimizes resource allocation, such as ICU availability and staff schedules, leading to substantial cost savings and improved service delivery (Agrawal & Turner, 2023). AI also transforms immersive media by enabling efficient 3D content generation, lowering labor demands in cinema and extended reality (Song et al., 2023). In motor and generator technology, AI enhances energy efficiency, allowing for scale without increased manual input (Yin-Shen, 2020). These examples illustrate AI's capacity to streamline operations and optimize resources, minimizing staffing needs and reducing organizational complexity.

Moreover, AI substantially improves operational flexibility by automating routine administrative tasks and optimizing resource management. In higher education, for example,

AI handles enrollment, scheduling, and financial processes, enabling data-driven resource allocation and demand forecasting (Domingo-Alejo, 2024). Similarly, healthcare operations benefit from AI-driven patient scheduling, check-ins, fraud detection, and personalized communication, which enhance both efficiency and patient engagement. AI also improves accuracy in email triage and resource allocation in administrative contexts through natural language processing and predictive analytics (D. Kumar, 2024). In legislative settings, AI streamlines impact assessments by identifying administrative burdens, and increasing transparency and efficiency in decision making (Costa et al., 2024). However, AI's effectiveness can be constrained by existing complexities, such as the need for standardized processes in healthcare billing, that limit its potential to fully alleviate administrative burdens (Schulman et al., 2023). Collectively, these examples underscore AI's potential to enhance operational flexibility and reduce administrative workloads across sectors.

Operating a nonprofit as a solo founder can significantly lower financial demands by eliminating salary and overhead expenses, enabling direct allocation of resources toward mission-driven work. By removing the need for staff compensation and office space, this approach minimizes administrative costs and increases the capacity for service delivery. Research supports revenue concentration and overhead reduction as key strategies for financial resilience in nonprofits, contrasting with revenue diversification that can increase administrative costs (Chikoto & Neely, 2014). Additionally, solo operations can mitigate risks of financial mismanagement and fraud, as fewer individuals handle finances; this emphasizes the need for strong oversight in the nonprofit sector. Thus, solo operation streamlines financial management, focusing resources on the mission and amplifying the nonprofit's impact.

Cost-saving strategies across sectors facilitate reinvestment in service quality. In healthcare, for example, hospitals can achieve savings by optimizing support services such as food and environmental services through metrics, centralized contract management, and staff training, which redirect resources to patient care (Nugent & Emmerich, 2014). Similarly, telecommunications companies applying lean principles and value stream analysis reduce costs, reallocating savings to enhance service quality (Stadnicka & Ratnayake, 2017). In healthcare for high-need Medicare patients, Accountable Care Organizations and Home-Based Primary Care provide cost-effective, patient-centered care (Dattalo et al., 2016). In primary care for type 2 diabetes, economies of scale within enhanced care models allow reinvestment in broader care services (Seidu et al., 2021). These cases demonstrate how strategic cost management can redirect resources toward service improvements and higher efficiency across diverse sectors.

Organizations with a single founder benefit from mission-driven operations and streamlined decision-making, particularly in nonprofits and social enterprises focused on impact over profit. A single founder's commitment, often rooted in personal values, provides clear direction and minimizes internal conflicts, ensuring alignment with the original mission. This unified leadership facilitates agile responses to challenges without extensive negotiations, enabling timely adaptations while upholding core values. Additionally, a single-founder structure reduces external pressures for profitability, allowing focus on sustainable growth strategies that prioritize impact. The personal dedication of a founder often fosters resilience, sustaining mission-aligned growth amid challenges. Furthermore, a single founder can pursue innovative approaches to problem solving without the constraints of balancing multiple perspectives, thereby promoting transformative solutions that remain closely tied to the organization's purpose. Thus, a single-founder structure reinforces mission-driven success through consistency, adaptability, and innovation.

In single-founder organizations, reduced bureaucracy enhances operational efficiency and decision-making speed. Without extensive layers of approval, decisions are made and implemented promptly, allowing for dynamic responses to emerging challenges and opportunities. This simplicity mitigates delays associated with complex administrative processes, creating an agile and adaptable organizational culture. Fewer meetings and approvals enable the founder to maintain a focused pursuit of strategic objectives, supporting rapid pivots when necessary. Additionally, streamlined structures foster accountability and clarity, with a straightforward chain of command aligning employees with the founder's vision. The accessibility of a single decision maker builds trust, engagement, and a personalized work culture where employees contribute directly to organizational goals. Overall, founder-led organizations benefit from reduced bureaucracy, promoting efficiency, transparency, and mission alignment.

### **3.5 Challenges and Considerations of the Solo-Founder AI-Driven Nonprofit Mode**

The integration of artificial intelligence (AI) in service delivery presents significant ethical challenges, particularly regarding the preservation of empathy and human connection. While AI systems enhance efficiency and personalization in sectors like e-commerce, they often fall short in providing the emotional depth that human interactions offer, a quality essential for sustaining customer satisfaction and loyalty (Jakkula, 2023). This empathy gap is especially problematic in contexts involving vulnerable groups, such as young children and the elderly. For example, conversational AI used in early childhood education may struggle to address children's emotional needs due to its limited understanding of non-literal language and imaginative scenarios, potentially impacting their well-being (Kurian, 2023). Similarly, in eldercare, AI robots, although helpful in meeting care demands, cannot authentically replicate the depth of empathy needed to meet cultural expectations, such as those outlined in Confucian filial piety, because their responses remain performative rather than genuinely compassionate (Muyskens et al., 2024). These ethical issues extend to potential biases in AI systems, which may perpetuate discrimination if left unregulated (Nemec, 2024). To mitigate these concerns, research suggests that improving AI's empathic capabilities—through mechanisms like social presence and trust—can enhance user experience and satisfaction (Sun & Guan, 2022). Achieving a balance between automation and empathy, however, requires a careful evaluation of ethical frameworks and regulatory measures to ensure that AI systems prioritize human well-being and address users' emotional needs across various contexts (Jakkula, 2023; Kurian, 2023; Muyskens et al., 2024; Nemec, 2024; Sun & Guan, 2022; ).

Data privacy and security are paramount in technological domains such as cloud computing, big data, data engineering, IoT, and blockchain. In cloud-based data processing, protecting sensitive information demands robust security measures, including data encryption, access control, secure data transmission and storage, as well as authentication and authorization mechanisms to comply with data protection regulations (Vashishth et al., 2024). The advent of big data further complicates privacy and security issues, as the massive volumes of processed information require advanced security protocols and underscore gaps in current research (Asasfeh et al., 2024). In data engineering, ensuring reliable data protection throughout the information lifecycle is critical, highlighting confidentiality and security's role in strategic decision making (Yerbulatov, 2024). IoT-based systems, especially in sectors like livestock monitoring, face challenges such as system vulnerabilities and unauthorized access, necessitating device authentication, encryption, and intrusion detection measures to safeguard data integrity (Sharma et al., 2024). Blockchain technology, by leveraging decentralization, immutability, and consensus, offers promising solutions for IoT security, with privacy-

preserving techniques such as pseudonymity and selective disclosure enhancing privacy within interconnected environments (Anjali, 2024). These considerations underscore the necessity of tailored security and privacy strategies for each technological domain's unique challenges.

The demands of managing operations alone introduce significant challenges, especially for founders of mission-driven organizations like FASS, where work requires sustained dedication and emotional resilience. Solo management necessitates balancing multiple tasks (i.e., strategic planning, operational oversight, relationship building, and problem solving), each requiring substantial cognitive and emotional resources. Over time, this intensity can lead to burnout, stress, and physical health issues, which ultimately affect the founder's well-being and quality of life. The absence of a support system can also exacerbate feelings of isolation and limit opportunities for collaborative ideation and feedback, essential for both personal and organizational growth.

The risks associated with scaling under such constraints are considerable. As a founder's capacity reaches its limit, it becomes challenging to sustain the organization's operations and expand its impact. This may result in missed opportunities, errors, and insufficient responses to challenges, which can harm the organization's reputation and diminish trust among beneficiaries, stakeholders, and volunteers. Without a team or diverse perspectives, adaptability to evolving needs and service expansion can be compromised. As demand increases, a lone founder may struggle to maintain service quality, thus limiting scalability and risking dilution of the organization's original mission. These scalability risks underscore the importance of building a team or leveraging complementary tools such as AI, to support operations, safeguard the founder's well-being, and ensure sustainable organizational growth.

Public perception of AI versus human-led support significantly impacts the credibility and adoption of AI technologies across domains like healthcare, mental health, and customer service. Research indicates a general skepticism toward AI, with many perceiving AI-driven interventions as less reliable and empathetic than those led by humans. For example, in mental health, AI interventions are viewed as accessible and cost-effective yet are often trusted less than human-led interventions due to concerns about data privacy, security, and lack of human touch (Varghese et al., 2024). Similarly, AI-provided medical advice is often perceived as less reliable and empathetic, resulting in lower adherence compared to human-provided advice (Reis et al., 2024). This anti-AI bias extends to AI-generated texts, where AI authorship is seen as reducing the content's perceived credibility and intelligence (Henestrosa & Kimmerle, 2024). Nonetheless, AI's scalability and accessibility potential in mental health care are acknowledged, although trust remains a barrier, particularly when AI's role is disclosed (Jain et al., 2024). In defense settings, public misconceptions and ethical concerns complicate AI acceptance (Hadlington et al., 2024). Enhancing AI's perceived personality and humanness, such as through anthropomorphic design in voice assistants, can foster trust and continuous usage, underscoring the role of social presence in AI adoption (Hsieh & Lee, 2024). In customer support, while AI chatbots are valued for certain tasks, they often lack the warmth and competence that reduce emotional distress, a limitation that remains a concern for users (Meng et al., 2023). Although AI holds significant potential, public trust, perceived competence, and ethical considerations heavily influence its adoption.

### **3.6 Future Prospects of the Solo-Founder AI-Driven Nonprofit Mode**

The future of the SFADNM promises transformative potential, particularly as the nonprofit sector increasingly seeks innovative, cost-effective methods to expand reach and impact without relying on traditional funding. A key advantage of this model is its scalability and

efficiency: With AI integration, single-founder nonprofits can streamline operations, automate essential processes, and provide virtual support, achieving efficiencies comparable to those of larger organizations. This significantly reduces overhead, making it feasible to serve a wide array of beneficiaries at a fraction of the cost required by conventional nonprofits. As nonprofit organizations face growing pressure to demonstrate both impact and financial prudence, SFADNM offers an appealing solution for founders aiming to independently launch mission-driven initiatives at scale.

Moreover, SFADNM fosters a strong alignment with the organizational mission. By retaining direct control over values and objectives, the founder minimizes the risk of “mission drift,” a common challenge in organizations reliant on diverse funding sources. Without external pressures, founders are free to adhere to their core mission, preserving their original vision of impact. This structure especially resonates with founders motivated by intrinsic values—such as personal beliefs, moral commitments, or spiritual aspirations—who prioritize mission fulfillment over profit or unchecked growth. As more social entrepreneurs are drawn to mission-centered approaches, SFADNM provides a framework for sustaining impact without the external financial pressures that can dilute an organization’s purpose.

The adaptability of SFADNM is further enhanced by AI advancements, enabling nonprofits to deliver personalized, scalable services tailored to each beneficiary’s unique needs. AI-driven models are particularly beneficial in fields such as mental health support, education, and skill building, where technology can offer individualized guidance, counseling, and instruction. This not only broadens the organization’s reach but also allows for deeper engagement with beneficiaries, thereby improving service quality. As AI technology continues to evolve, SFADNM’s capacity to deliver specialized, impactful support will grow, increasing its appeal and accessibility.

Additionally, SFADNM presents an accessible entry point for founders from diverse backgrounds, particularly those from underrepresented or minority groups with limited access to traditional funding channels. By reducing reliance on external financial support, SFADNM lowers entry barriers, allowing founders with modest resources but strong community ties or specialized knowledge to establish impactful organizations. This democratization of nonprofit leadership welcomes diverse perspectives and grassroots initiatives, supporting broader representation within the sector and encouraging widespread adoption.

The resilience of SFADNM also positions it as an adaptable, sustainable option during crises. In times of economic downturn, humanitarian challenges, or health emergencies, traditional funding can become unstable, posing risks to conventional nonprofit structures. However, with AI-driven efficiencies and streamlined operations, single-founder nonprofits can pivot quickly, remaining agile and responsive to evolving needs. This capability to maintain services and adapt in unpredictable environments makes SFADNM an attractive model for founders and stakeholders seeking sustainable, crisis-ready nonprofit solutions.

As SFADNM gains awareness, industry support and recognition of such innovative nonprofit structures are likely to grow. With the development of support networks, partnerships, and research dedicated to AI-driven nonprofits, SFADNM could shift from mere acceptance to active promotion. This broader recognition would not only validate the model but could also encourage more founders to consider it as a viable path to social impact. In the long term, SFADNM is well positioned to reshape the nonprofit landscape, empowering individuals who value agility, innovation, and a steadfast focus on mission to create meaningful, lasting change on their own terms.

SFADNM is particularly suited to service areas that can leverage technology for scalable, personalized support and information delivery. For example, in mental health and emotional support, AI-driven tools like chatbots and virtual companions can have a profound impact. By integrating conversational AI, guided meditations, and crisis management protocols, single-founder nonprofits can provide mental health resources that are accessible, immediate, and private—all without extensive staffing needs. This approach serves a global audience, offering on-demand support for individuals seeking emotional reassurance.

Similarly, educational and skill-building programs align well with SFADNM, particularly as online education and AI tutoring tools grow increasingly adept at delivering personalized learning experiences. For a single-founder nonprofit focused on education, AI can offer interactive lessons, virtual tutors, and language-learning applications. Through adaptive learning algorithms, the platform can track student progress, adjust content in real time, and offer constructive feedback, enabling diverse learning needs to be met without a large teaching team.

Employment and career counseling can also benefit from AI-driven solutions. An AI-powered platform that provides resume critiques, interview practice, and personalized job recommendations would be invaluable in communities facing high unemployment or limited access to career counseling. Through job-matching algorithms and AI-based coaching, single-founder nonprofits can equip users with essential tools to navigate the job market—all with minimal human intervention.

Health and wellness services present another promising area for SFADNM. Founders with expertise in wellness could leverage AI to develop applications focused on fitness, nutrition, and health advice, delivering personalized exercise routines, meal plans, and health tracking to encourage healthy lifestyles. Such platforms offer regular insights and reminders, adding significant value to users' well-being while keeping staffing requirements low.

Legal and advocacy assistance, especially for underserved communities, is another area where SFADNM can excel. AI-powered platforms can offer basic legal information, answer frequently asked questions, and provide step-by-step guidance through complex processes. Founders can create tools that offer document templates or filing guidance, making essential legal support more accessible to individuals who might otherwise lack such resources.

Financial literacy and planning services also align well with SFADNM, with founders leveraging AI-driven platforms to offer financial education, budgeting tools, and personalized planning services. Particularly for low-income communities, these resources provide essential support in managing debt, saving, and planning for the future. Automated step-by-step guidance empowers users to build financial stability without requiring intensive one-on-one coaching.

In social justice and human rights advocacy, SFADNM can harness AI to develop platforms that educate users about social issues, provide updates on policy changes, and offer civic engagement resources. By using AI-driven content delivery, single-founder nonprofits can inspire and mobilize individuals to participate in social justice initiatives, achieving broad engagement with minimal manual oversight.

SFADNM also suits crisis response and disaster relief, where AI-driven tools can deliver critical information during emergencies. In crisis scenarios, a single-founder nonprofit could leverage AI-powered hotlines or information hubs to provide timely updates and resources. This emphasis on accessibility and responsiveness makes SFADNM an ideal structure for high-stakes situations requiring reliable information.

Environmental education and advocacy also benefit from this model. Founders focused on sustainability can use AI to generate eco-friendly educational content, offer resources for activism, and help users track their carbon footprint. By encouraging sustainable living practices, AI-driven platforms foster a collective commitment to environmental consciousness.

Lastly, SFADNM supports community-building and social support networks. AI enables interest-based groups, peer support forums, and moderated discussions, while human moderators can oversee sensitive conversations to foster a respectful, supportive community. This combination of automation and human oversight creates an inclusive, interactive community space with minimal staffing needs.

In conclusion, the SFADNM model is exceptionally well-suited for services emphasizing scalability, personalization, and data-driven insights. By harnessing AI, single founders can create substantial, wide-reaching support in diverse fields, such as mental health, education, career counseling, wellness, legal assistance, financial literacy, social justice, crisis response, environmental advocacy, and community building. This model empowers founders to make a meaningful impact in their areas of expertise, fostering positive social change while maintaining operational efficiency and mission alignment.

Integrating targeted human interaction alongside AI operations in SFADNM can achieve a balance between scalability and personalization. While AI handles routine inquiries and general support, complex or sensitive situations often benefit from the empathy and nuance of human engagement. For example, mental health or crisis intervention services could offer live human support during high-demand periods, allowing individuals in acute situations to receive person-centered help. By reserving human interaction for moments of heightened need, nonprofits can provide impactful, personalized support while managing costs, maintaining accessibility, and preserving the human touch essential for complex cases.

In community-based services, AI can facilitate group discussions and manage content while human moderators provide valuable oversight for sensitive topics. Peer-led groups and volunteer-led sessions foster a sense of shared experience, adding warmth and connection. AI's efficiency in routine moderation enables human moderators to focus on empathy and support, creating an inclusive, scalable community space.

To summarize, SFADNM's hybrid model combines the scalability of AI with targeted human engagement to create a sustainable, high-impact nonprofit. By blending technological innovation with strategic human interaction, single-founder nonprofits can build scalable models that remain responsive to individual needs, fostering positive social change. The SFADNM model successfully integrates artificial intelligence into human-centered care services, achieving 24/7, year-round, efficient, and high-quality operations to bring new possibilities to the field of philanthropy. Through this model, AI becomes a vessel for compassion by using technology to serve humanity, and spread love and hope.

#### **4. Conclusion**

The SFADNM model represents a transformative approach to delivering impactful services, circumventing many traditional limitations facing nonprofit organizations. Central to this model is the integration of AI to automate essential operations, empowering a single founder to manage the organization with minimal resources while achieving substantial reach and scalability. This innovative structure makes the model accessible and adaptable, especially for founders with limited access to significant funding or large staff support. By leveraging AI's capabilities in automation and data-driven personalization, founders can offer high-

quality, responsive services, mirroring the impact typically associated with larger, resource-intensive organizations.

One of the model's foremost advantages is its cost-effectiveness and scalability. Through AI-driven systems, tasks such as managing user inquiries, routine service interactions, and content delivery can be automated, significantly reducing reliance on human resources. This enables solo founders to maintain operational efficiency with minimal overhead, allowing them to reach a broad audience at a fraction of the cost required by traditional nonprofit models. Consequently, this AI-driven approach facilitates large-scale support in fields such as mental health, education, or advocacy without the financial burden that often accompanies conventional nonprofit frameworks. Another distinct benefit of the solo-run, AI-driven model is its alignment with the organization's mission. Traditional nonprofits often contend with pressures to secure funding from diverse sources, which can lead to "mission drift," or a gradual deviation from core goals due to funders' priorities. In contrast, the AI-driven model empowers founders to retain direct control over the nonprofit's values and trajectory, ensuring steadfast alignment with the original mission. This model is particularly well-suited for founders guided by intrinsic values and a commitment to long-term social impact rather than profit, allowing them to make decisions wholly in service of their mission and the communities they aim to support.

Moreover, the model's flexibility and responsiveness facilitate sustainable impact. AI systems can adapt quickly to evolving needs, allowing founders to adjust services based on real-time feedback or shifts in demand. This adaptability proves invaluable during crises, economic downturns, or sudden changes in user needs, where traditional funding or staffing models may falter. The inherent agility of the AI-driven nonprofit model allows founders to remain responsive and effective, even in the face of unexpected challenges. The accessibility of this model for diverse founders is also essential, especially for those from underrepresented or minority backgrounds who may lack access to traditional funding sources and networks. By reducing dependency on external funding, the AI-driven model minimizes entry barriers, enabling individuals with innovative ideas and a strong mission to establish and operate impactful organizations independently. This approach democratizes nonprofit leadership, fostering a more diverse and inclusive sector by empowering founders from all backgrounds to address social issues with their unique perspectives and expertise.

To summarize, the solo-founder-run, AI-driven nonprofit model offers a sustainable framework for delivering impactful services through a combination of cost-effective scalability, mission alignment, flexibility, and accessibility. By avoiding traditional constraints such as extensive staffing needs, reliance on fundraising, and resource-intensive operations, this model reimagines the potential for nonprofits. It empowers founders to concentrate on maximizing positive outcomes for their communities, paving the way for agile, mission-driven organizations that can effect meaningful change without sacrificing autonomy or alignment with their core values.

Innovation is crucial within the nonprofit sector to overcome systemic challenges and bolster organizational effectiveness. Nonprofits face unique pressures, such as limited funding and heightened accountability, which require innovative approaches to sustain and expand their impact. Innovation in this sector extends beyond adopting new technologies or models; it involves fostering social innovation that can reshape societal interactions and address complex social issues. For instance, nonprofit boards increasingly acknowledge the importance of innovation for growth, prioritizing factors that drive effective strategies for addressing societal challenges (Richardson & Kelly, 2023).

The potential of AI within nonprofit service models is vast, with the technology poised to transform the sector by enhancing operational efficiency, improving decision making, and amplifying service impact. Nonprofits are increasingly turning to generative AI tools to streamline content creation, reduce costs, and redirect resources toward mission-critical activities. AI's capacity to reshape nonprofit capabilities enables these organizations to better manage resources, design programs, and conduct predictive analysis for program evaluation (Gooyabadi et al., 2023). Nevertheless, the integration of AI poses challenges, including ethical concerns, data privacy, and intellectual property issues, which must be addressed to ensure responsible use (Garhart & Rowland, 2023). Frameworks guiding ethical AI implementation are necessary to ensure that AI effectively serves social causes (Iskandarova & Sloan, 2023).

The integration of AI into nonprofit service models signifies a new frontier, necessitating further research to fully comprehend and harness its potential. Scholars, social entrepreneurs, and technologists have a unique opportunity to explore the possibilities AI offers for nonprofits while addressing associated challenges and ethical considerations. Research on AI's role in extending the reach, sustainability, and impact of mission-driven organizations can yield insights that fortify the sector and provide models for responsible AI applications. A particularly promising avenue is AI's potential to enhance empathy and long-term impact in nonprofit services. While traditional nonprofits rely on human interaction to build trust and understanding with beneficiaries, AI-driven solutions may replicate or even amplify this empathic connection. Further studies are needed to examine how AI can deliver empathetic, personalized support, particularly in areas like mental health, education, and social services, where human connection is paramount. Understanding how AI-driven interactions influence beneficiaries' experiences could help develop technology that enhances, rather than merely automates, the service experience.

Furthermore, research on the long-term impact of AI in nonprofit service delivery is essential for assessing its sustainability and effectiveness. Longitudinal studies examining user satisfaction, trust, and overall well-being could provide insights into AI's potential to foster lasting change, indicating which AI applications contribute most effectively to positive outcomes. Interdisciplinary collaboration is also critical. Social entrepreneurs, with their understanding of community needs, can work closely with technologists to ensure AI solutions are socially relevant and ethically sound. Technologists contribute expertise in AI development, creating adaptable and mission-aligned solutions. Through collaboration, researchers, entrepreneurs, and technologists can drive social innovation while addressing privacy and security concerns, ensuring that AI responsibly enhances social impact.

In conclusion, as the nonprofit sector stands at the cusp of an AI-driven transformation, more research and careful exploration of AI's potential are vital. Addressing empathy, sustainability, and ethical implementation, scholars, entrepreneurs, and technologists can shape AI's role in nonprofits to be impactful, humane, and inclusive. This groundbreaking research and collaboration can enable AI to fulfill its promise in creating a more compassionate world through nonprofit innovation.

### **Acknowledgment**

I am very grateful for the academic tools and research that have inspired this study. My profound gratitude extends to my family for their steadfast support and encouragement during this journey. Your confidence in my work has been a wellspring of strength and motivation.

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