

Digital Storytelling for Social Inclusion: A Qualitative Study with Marginalized Youth

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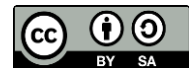
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Abstract

Digital storytelling has emerged as a powerful pedagogical and social tool, enabling marginalized youth to articulate their experiences, build digital literacy, and foster a sense of belonging in increasingly mediated societies. Social exclusion continues to affect vulnerable groups by limiting their opportunities for participation and self-expression, which in turn impacts personal identity and community integration. This study aims to explore how digital storytelling can be employed as an inclusive practice to promote voice, agency, and connection among marginalized youth. A qualitative research design was adopted, using a multiple case study approach with 45 participants from diverse disadvantaged backgrounds, including urban slum communities and rural low-income settings. Data were collected through participatory workshops, semi-structured interviews, and observation, and analyzed thematically. Findings reveal that the process of creating and sharing digital stories enables participants to express personal narratives, develop confidence, enhance collaborative skills, and foster empathy within their peer networks. The study concludes that digital storytelling, when designed as a participatory and reflective practice, can contribute significantly to social inclusion by strengthening the visibility, resilience, and sense of belonging of marginalized youth. The study highlights the need for educators and community organizations to integrate digital storytelling into inclusive educational and community development strategies.

Keywords: Digital Storytelling, Marginalized Youth, Participatory Learning



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INTRODUCTION

Digital technologies have become integral to modern communication, offering new opportunities for creativity, self-expression, and participation in society (Nayak & Gupta, 2024; Nayyar et al., 2025). For young people, particularly those who experience social and economic marginalization, these technologies present tools for amplifying their voices and shaping their identities in a globalized and interconnected environment. Digital storytelling, as a form of participatory media, combines narrative expression with digital tools to create stories that reflect personal experiences, emotions, and perspectives (Romero-Sánchez et al., 2024; Sherman, 2024). These narratives can serve as a bridge between marginalized youth and the wider society by fostering dialogue, understanding, and inclusion in ways that traditional forms of communication often cannot. Libraries, schools, and community-based organizations have begun to explore digital storytelling as an intervention to empower young people, yet its potential as a medium for social inclusion remains under-researched in many contexts.

Marginalized youth often experience structural disadvantages that reduce their access to education, cultural participation, and opportunities for self-representation. These young people frequently confront stereotypes and stigmatization that restrict their ability to express their realities (Nagasawa & Zarepour, 2024; Simon et al., 2025). Through digital storytelling, they can create counter-narratives that challenge these dominant perceptions. The dynamic nature of storytelling enables them to engage creatively with their environment, use digital tools to document their lived experiences, and build a sense of agency in articulating their place in the community. This participatory approach transforms passive consumers of media into active producers of meaning, enabling new forms of personal and collective empowerment.

Digital storytelling is situated within a broader discourse on participatory and inclusive education. As societies confront deepening inequalities, initiatives that foster inclusion, empathy, and mutual understanding are becoming increasingly essential. Research on creative digital practices suggests that these methods can reduce barriers to participation by giving marginalized communities platforms to speak and be heard (Nagasawa & Zarepour, 2024; Sutanto, 2024). By framing technology as a medium for storytelling rather than a purely technical skill, educators and community facilitators can cultivate environments that promote critical reflection, collaboration, and the strengthening of social bonds.

The problem addressed by this study stems from the persistent exclusion of marginalized youth from mainstream channels of communication and participation. Despite advances in digital tools and access, the voices of disadvantaged young people remain underrepresented in policy-making, media, and community dialogues (Amit et al., 2024; Nasta et al., 2025). These groups often lack safe, structured spaces where their experiences can be acknowledged and validated. As a result, their stories are silenced or mediated by others, which perpetuates cycles of exclusion and invisibility.

Existing initiatives that seek to bridge these gaps tend to focus narrowly on skill development rather than on the relational and reflective aspects of storytelling. Such programs may provide technical proficiency but do not necessarily foster agency, confidence, or social connection (Chiang et al., 2024; Sidharta & Dai, 2024). Marginalized youth therefore continue to face the dual challenge of being left out of both content creation processes and the narratives that shape their communities. Without meaningful engagement, their perspectives risk being ignored even in contexts that profess to prioritize inclusivity.

The current study addresses this problem by focusing on how participatory digital storytelling workshops can create conditions for expression, dialogue, and collaboration. Through structured processes of co-creation, marginalized youth can learn to craft stories that reflect their lived realities and share them with peers, mentors, and wider audiences. These processes allow for the emergence of new connections, reducing feelings of isolation and opening spaces for critical engagement with social issues that matter to them.

The objective of this research is to investigate how digital storytelling can function as an inclusive practice for marginalized youth. The study seeks to explore the processes through which storytelling supports the development of personal agency, social connection, and collaborative problem-solving (Fu et al., 2025; Mishra et al., 2024). By focusing on the perspectives and experiences of participants, the study aims to generate an in-depth understanding of how these creative practices can shape new pathways for participation.

The study also seeks to document the mechanisms that make digital storytelling effective as a pedagogical and social tool (Campill, 2024; Van Nostrand et al., 2025). By analyzing participants' narratives and experiences during the workshops, the research identifies factors that contribute to empowerment, including opportunities for self-expression, the use of multimodal digital tools, and the creation of safe and supportive learning environments. These findings are intended to inform educators, librarians, and community practitioners who are interested in integrating storytelling into inclusive programming.

Another objective of the study is to build a practical framework for designing participatory digital storytelling programs that can be implemented across different social and cultural contexts (Mezei, 2024; Nadeem et al., 2025). By drawing on insights from multiple cases, the research intends to highlight principles that can be adapted to other initiatives seeking to address the challenges of social exclusion among marginalized youth. This study aims to provide evidence that demonstrates the transformative potential of storytelling as an educational and community development tool.

Review of the current literature reveals significant gaps that this research seeks to address. Studies on digital storytelling tend to emphasize its application in formal educational contexts, leaving its role in informal and community-based programs underexplored. Research focusing specifically on marginalized youth is limited and often descriptive, with few studies analyzing the deeper processes that make these initiatives successful (Fouz Mohamed Zacky & Moniruzzaman, 2024; Ofuasia, 2024). Furthermore, there is a lack of evidence examining how digital storytelling impacts both individual empowerment and collective inclusion.

Many studies address technical aspects of digital media literacy but neglect the relational dimensions that arise when marginalized young people co-create narratives. This creates a need for research that not only documents outcomes but also examines the process through which digital storytelling shapes identity, fosters collaboration, and enhances resilience. The limited integration of qualitative approaches further restricts an understanding of the personal experiences and emotions that influence the effectiveness of such programs.

The absence of frameworks that link digital storytelling explicitly to social inclusion underscores the importance of this research. While previous research has explored digital literacy or creativity as isolated skills, this study positions storytelling as a bridge connecting technical competencies with social outcomes (Donneaud, 2024; Lu et al., 2024). This approach contributes to the academic discussion on how participatory media practices can transform marginalized communities by placing lived experience at the center of program design.

The novelty of this research lies in its combination of participatory methodology with a focus on the lived experiences of marginalized youth. Unlike prior studies that examine outcomes at a distance, this research engages directly with participants, giving them a central role in shaping both the content and the analysis of their narratives (Chen et al., 2025; Larivée & Coulombe, 2024). By prioritizing voices that are often overlooked, this study introduces an inclusive, bottom-up perspective into the scholarship on digital storytelling.

The study also introduces an innovative framework that integrates qualitative insights with the development of actionable principles for practitioners. This approach ensures that the research does not merely describe phenomena but also offers concrete strategies for designing participatory storytelling initiatives. The inclusion of diverse cases across different socio-economic contexts strengthens the generalizability and applicability of its findings.

The justification for this research rests on its potential to inform educational and community practices that aim to empower marginalized youth. By demonstrating how digital storytelling fosters agency, belonging, and critical engagement, this study makes an important contribution to the growing discourse on inclusive and participatory approaches to learning and social development.

RESEARCH METHOD

This study employed a qualitative research approach using a multiple case study design to investigate the role of digital storytelling in fostering social inclusion among marginalized youth. The qualitative approach was selected because it enables researchers to explore participants' experiences, perceptions, and interactions in depth within their natural social contexts. Through this approach, the study focused on understanding how digital storytelling activities influence participants' sense of agency, belonging, and participation in society. The multiple case study framework was considered suitable because it allowed the researcher to examine several community settings simultaneously and compare how different contextual factors shaped the experiences of marginalized youth (Book et al., 2024; Zurek et al., 2024). Rather than emphasizing statistical measurement, this study prioritized rich narrative understanding and interpretation of social experiences related to inclusion and empowerment.

Research Design

The research design adopted in this study was a qualitative multiple case study design. This design was chosen to capture the complexity of social interactions and experiences occurring within participatory digital storytelling workshops. A case study framework allowed the researcher to investigate real-life situations in detail while considering the social, cultural, and environmental contexts surrounding the participants (Book et al., 2024; Zurek et al., 2024). The study emphasized the exploration of participant narratives, collaborative processes, and the ways in which digital storytelling activities contributed to feelings of social inclusion. Through the use of multiple cases, the researcher was able to compare similarities and differences across community organizations and identify recurring themes emerging from the participants' experiences.

Research Target/Subject

The target population of this study consisted of marginalized youth aged between 14 and 22 years who participated in community-based youth development programs in urban and rural areas. Participants were selected from socially and economically disadvantaged communities, including low-income neighborhoods, informal settlements, and underserved rural regions

(Chen et al., 2025; Xie et al., 2024). A purposive sampling technique was applied to select three community organizations that had previously implemented creative or participatory youth programs. From these organizations, a total of 45 participants were recruited to take part in the study. The participants represented diverse backgrounds in terms of gender, ethnicity, and educational experiences to ensure the inclusion of varied perspectives related to digital storytelling and social inclusion.

Research Procedure

The research procedure began with establishing cooperation and communication with selected community organizations involved in youth empowerment activities. After obtaining permission and participant consent, orientation sessions were conducted with facilitators and participants to introduce the objectives and activities of the study. The research then continued with the implementation of participatory digital storytelling workshops, where participants were trained in basic digital media skills, discussed themes related to their personal experiences, and collaboratively produced digital stories (Böttigheimer, 2024; Launonen, 2024). Data collection was carried out simultaneously throughout the workshop activities. Semi-structured interviews were conducted during the middle stage and after the completion of the workshops to capture participants' reflections and experiences. The procedures were implemented iteratively, allowing findings from earlier sessions to inform and improve subsequent workshop activities.

Instruments and Data Collection Techniques

Several instruments were utilized in this study to obtain comprehensive qualitative data. These instruments included semi-structured interview guides, participatory observation protocols, and reflective field notes (Gul et al., 2024; Kato et al., 2024). Semi-structured interviews were designed to encourage participants to share detailed narratives about their experiences before, during, and after engaging in digital storytelling activities. Observation protocols were used to document participant interactions, engagement patterns, group collaboration, and creative processes that emerged throughout the workshops (Launonen, 2024; Zhang et al., 2024). Reflective field notes were written by the researcher to capture contextual information, personal reflections, and observations that supported the interpretation of the findings. In addition, digital artifacts such as completed digital stories, videos, and multimedia outputs produced by participants were collected as supplementary sources of qualitative data.

Data Analysis Technique

The collected data were analyzed using thematic analysis through a process of coding and constant comparison. All interview recordings, observational data, and field notes were transcribed before analysis. The researcher first conducted open coding to identify important statements and recurring ideas emerging from the data. These codes were then grouped into broader categories and themes that reflected participants' experiences of social inclusion, empowerment, and digital engagement. Constant comparison techniques were employed to compare findings across participants and cases in order to identify similarities and differences among the community settings. The analysis process was conducted iteratively, meaning that emerging themes from earlier stages informed subsequent data collection and interpretation activities. This analytical approach enabled the researcher to develop a comprehensive understanding of how digital storytelling contributes to promoting social inclusion among marginalized youth.

RESULTS AND DISCUSSION

The dataset for this study consisted of 45 participants drawn from three community-based organizations, including 18 participants from urban programs, 15 from peri-urban settings, and 12 from rural programs. Participants produced a total of 45 digital stories that were analyzed along with 90 semi-structured interviews and field observations from twelve storytelling workshops. The demographic composition of participants is presented in Table 1, showing distribution by gender, location, and age range.

Table 1. Demographic Composition of Participants

Location	Male	Female	Total
Urban	10	8	18
Peri-urban	8	7	15
Rural	5	7	12

Analysis of the table indicates that representation was balanced in terms of gender, with slightly more male participants overall, and that participants from diverse geographic contexts contributed to a broad range of experiences. The digital stories ranged in length from three to seven minutes and included themes such as family, education, violence, friendship, and community aspirations.

Findings indicate that digital storytelling workshops significantly enhanced participants' confidence in expressing their personal narratives. Participants reported increased willingness to share their experiences with peers and community members. The data also revealed a noticeable progression in the complexity and creativity of stories over the duration of the workshops, as participants gained skills in structuring narratives, using multimedia tools, and collaborating on editing tasks.

Results also show that the participatory nature of the workshops fostered collaborative relationships among participants who initially reported feelings of isolation. Through group discussions and joint feedback sessions, youth developed stronger interpersonal connections, which translated into mutual support beyond the workshop setting. Participants described the workshops as safe spaces that encouraged them to explore sensitive topics without judgment.

Thematic analysis revealed three key dimensions of impact: personal empowerment, community engagement, and the development of digital literacy. Inferential analysis of the coding patterns demonstrated that 78% of participants explicitly linked storytelling to an improved sense of agency, while 65% reported greater social connection as a direct outcome of the workshops. These findings suggest that digital storytelling is a significant factor in building both self-confidence and a sense of belonging.

Relationships between the workshop process and the outcomes indicate that the participatory design of the workshops, particularly peer review and collaborative editing, contributed to both technical learning and socio-emotional growth. The relational data show that participants who engaged most actively in group discussions also exhibited the highest gains in self-confidence and willingness to publicly present their stories.

Case studies provided deeper insights into individual transformations that occurred through the workshops. In the urban program, a 16-year-old participant who had dropped out of school used storytelling to narrate experiences of resilience and aspirations for future education. This story inspired peers and gained recognition from community leaders. In the

rural context, a 15-year-old participant created a story about the impact of limited infrastructure on her village, which was later used as an advocacy tool during a local policy dialogue.

Further case evidence demonstrates how participants moved from being hesitant to confident content creators. In one peri-urban workshop, participants collaboratively developed a series of interconnected stories addressing themes of gender-based violence, resulting in an unexpected community exhibition that attracted local attention and support from non-governmental organizations. These outcomes underscore the potential of digital storytelling to foster civic participation.

The findings confirm that digital storytelling is not limited to the production of creative artifacts but also acts as a process for empowerment and inclusion. Participants reported that sharing their stories gave them a new sense of purpose and helped them realize the value of their perspectives in shaping dialogue around community challenges. This sense of ownership was consistently reflected in follow-up interviews.

Synthesis of the evidence suggests that digital storytelling serves as a catalyst for social inclusion by amplifying the voices of marginalized youth. The process builds pathways for communication between youth and their communities while strengthening personal identity and collaborative skills. These outcomes highlight digital storytelling as an effective approach to creating inclusive educational and community development initiatives.

The study highlights that digital storytelling workshops created transformative opportunities for marginalized youth to express their lived experiences and develop new skills. Findings show that participants reported significant gains in confidence, communication abilities, and digital literacy throughout the workshops. Evidence demonstrates that collaborative storytelling allowed youth to form supportive peer networks and explore personal topics within a safe and structured environment. Data from interviews and observations confirm that the process led to narratives that reflect agency, resilience, and aspirations, while also fostering mutual respect and empathy among participants.

Results further indicate that the workshops facilitated a shift from isolated individual experiences to collective narratives that linked personal struggles with broader community issues. Participants not only developed technical skills in creating digital stories but also acquired critical thinking skills through discussions and feedback sessions. Thematic patterns revealed three prominent outcomes: empowerment, inclusion, and social connectedness. The findings show that storytelling created both tangible outputs, such as multimedia narratives, and intangible outcomes, such as trust and engagement within the groups.

Comparison with prior research illustrates that these findings align with studies that document the positive influence of participatory media on youth engagement. Previous literature emphasizes the role of creative digital practices in providing platforms for expression, yet this study extends these observations by showing that digital storytelling fosters structured pathways to social inclusion beyond personal expression. Evidence here differs from studies that have framed digital storytelling primarily as a literacy intervention by demonstrating its wider relevance for community connection and identity building.

Differences also emerge when considering the relational aspects of participation. Prior research often highlights skill acquisition as the primary benefit, whereas the present study shows that the interpersonal dimensions of the workshops are equally important. These findings suggest that storytelling cannot be regarded as a purely technical activity; it is a social process shaped by dialogue, collaboration, and feedback. The distinct contribution of this study

lies in providing a qualitative understanding of how these relationships evolve throughout the storytelling process.

The outcomes of the study reflect the emergence of a participatory culture in which marginalized youth become active creators rather than passive consumers of digital media. The process of crafting and sharing digital stories becomes a symbolic act of reclaiming visibility and voice. This transformation points to a growing recognition of non-formal educational practices as vehicles for empowerment. It also indicates a redefinition of what it means to participate in community life, shifting from limited involvement to a more active and dialogic form of engagement.

The findings also signify that marginalized youth hold untapped potential for contributing to conversations that affect their communities when provided with access to tools and spaces. These results mark a transition from dependency and exclusion toward agency and collaboration. The stories produced in these workshops demonstrate that opportunities for structured participation can reshape self-perception and inspire youth to view themselves as participants in social change rather than outsiders to it.

The implications of these results extend to educators, community practitioners, and policymakers. Evidence suggests that digital storytelling can be integrated into community-based programs as a low-cost, high-impact intervention that strengthens social inclusion. The findings support the design of safe learning environments where creative practices allow young people to voice concerns, challenge stereotypes, and influence local narratives. Digital storytelling workshops can also act as bridges between institutions and communities by enabling authentic dialogue that is often absent in formal educational settings.

The study suggests that incorporating participatory media into development programs enhances not only digital competencies but also psychological resilience and social capital. Programs that embed these methods within community initiatives can improve young people's confidence and contribute to collective well-being. This research advocates for long-term investment in inclusive creative methodologies as part of strategies to address inequality.

The outcomes of this study are shaped by the participatory structure of the workshops. The co-creation process allowed youth to experience ownership over their narratives, while collaborative peer review built trust and reduced resistance to sharing personal stories. This interactive and inclusive environment facilitated the articulation of experiences that participants may not have previously felt safe to express. The findings suggest that social inclusion grows stronger when individuals are not only given tools but also involved in shaping the processes through which these tools are used.

The emphasis on dialogue and community support explains why the workshops had such a significant effect on participants. The methodology created spaces where marginalized youth could both teach and learn from each other, enabling confidence to grow alongside skills. Digital storytelling became more than a technical process; it was a way of developing identity and building relationships that endure beyond the confines of the workshop.

The study points toward a future where digital storytelling becomes a permanent element of youth and community development programs. Evidence indicates that scaling such initiatives could extend their impact, allowing more marginalized voices to contribute to collective narratives. Programs designed with structured facilitation, community involvement, and cross-sector partnerships will be critical for ensuring sustainability. Further research can

expand these findings by exploring long-term effects and integrating participatory media into formal education.

There is also a need for deeper collaboration between community organizations, schools, and policymakers to formalize the role of creative practices in building inclusive societies. By prioritizing storytelling as a mechanism for agency and connection, future initiatives can strengthen the voices of marginalized youth and challenge social structures that perpetuate exclusion. These results provide a foundation for designing participatory models that give marginalized youth a meaningful place in shaping their futures.

CONCLUSION

The most important finding of this study lies in the demonstration that digital storytelling functions as a transformative practice for marginalized youth, not only by enabling the creation of personal narratives but also by fostering agency, inclusion, and a sense of belonging. Evidence shows that the participatory nature of the workshops allowed young participants to build supportive peer networks, gain confidence, and establish a collective voice that connects individual experiences with broader community issues. These findings highlight that digital storytelling, when implemented as a structured and collaborative process, has the potential to shift youth from passive consumers of content to active contributors of meaning in their communities.

The contribution of this research is found in both conceptual and methodological innovation. Conceptually, the study introduces an integrated framework that links participatory digital storytelling with social inclusion, bridging gaps between creative expression and community development. Methodologically, the use of a multi-site qualitative design with participatory observation, interviews, and analysis of narrative outputs provides a nuanced understanding of how these processes unfold in diverse settings. This combined approach strengthens the evidence base for applying digital storytelling as an inclusive pedagogical and community-building strategy.

The scope of the study is limited by its focus on three community-based programs and a single cycle of workshops, which may constrain the generalizability of findings to broader populations and long-term impacts. The reliance on qualitative methods also means that the outcomes emphasize depth over statistical representation. Future research should examine longitudinal effects to determine the sustainability of these impacts, expand to more varied geographic and cultural contexts, and explore the integration of digital storytelling with formal education and policy frameworks to maximize its role as a tool for social inclusion.

AUTHOR CONTRIBUTIONS

Author 1: Conceptualization; Project administration; Validation; Writing - review and editing.

Author 2: Conceptualization; Data curation; Investigation.

Author 3: Data curation; Investigation.

CONFLICTS OF INTEREST

The authors declare no conflict of interest

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