AI For Victims: Case Filing And Legal Guidance

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Abstract- *Bullying and cybercrime persist as societal challenges often exacerbated by stigma and victim-blaming. In response, "AI for Victims: Case Filing and Legal Guidance" aims to provide a holistic solution by leveraging Artificial Intelligence (AI) to empower survivors and navigate legal complexities. The AI system meticulously examines past legal recommendations, with a particular focus on instances involving cybercrime and bullying. In addition to chatbot capabilities, the project incorporates Geo-mapping capabilities to offer location-based support. Utilizing the victim's recorded location, individuals can access pertinent resources and police station details tailored to their area. In addition, a specific community forum offers survivors a secure space to talk about their experiences, ask for guidance, and obtain resources about cyberbullying and cybercrime. This kind of communal involvement makes survivors more empathetic and supportive of one another.The AI system's excellent precision on testing datasets, which it attained through rigorous training with carefully selected mock-up exchanges, validates its efficacy in real-world circumstances. "AI for Victims" establishes a standard for leveraging technology to combat social injustices and advance a global victim empowerment culture that is empathetic and supportive. Through a constant commitment to empowering survivors and questioning the accepted view, the group seeks to raise awareness, put an end to the acceptance of these atrocities, and provide victims and survivors with the resources necessary to fight for justice and their rights.Through the collaborative integration of AI-powered legal advice, location monitoring, community involvement, and case filing functionalities, "AI for Victims" establishes a standard for utilizing technology to confront societal inequalities and foster recovery and self-determination for victims globally.*

Keywords- Chatbot, Community Forum, Survivor Empowerment, Natural Language Processing, Location-based Support, Peer Support

I. INTRODUCTION

In today's interconnected world, where digital communication intertwines with physical interactions, the pervasive issues of bullying and cybercrime have become increasingly prevalent, posing significant challenges to individuals and communities worldwide. The damage inflicted upon victims of these forms of assault is sometimes exacerbated when they become entangled in a web of shame, humiliation.

The difficulties many survivors still face in obtaining support services and navigating legal procedures are in spite of efforts to resolve these problems.By offering a comprehensive suite of tools and resources, this innovative project seeks to provide holistic support to individuals affected by bullying and cybercrime, regardless of their geographical location.

Moreover, the project goes beyond legal assistance, integrating Geo-mapping capabilities to offer location-based support services and a dedicated community platform where survivors can find solace, share experiences, and access resources. This multi-faceted approach aims to foster solidarity among survivors, break down barriers to access, and challenge societal norms that perpetuate violence and discrimination.

"AI for Victims" is a critical advancement in the battle against cybercrime and bullying as we set out on this path towards justice and healing. Our goal is to establish a society that is more compassionate and inclusive, where each person is respected, assisted, and given the ability to restore their rights and dignity. We hope to do this by utilizing the revolutionary potential of AI technology. We work together, creatively, and with steadfast commitment to create a future where victims of cybercrime and bullying can find justice, healing, and hope.

II. DENTIFY, RESEARCH AND COLLECT IDEA

AuthorName	TitleName	Description
Nishant Jain,Gaurav Goel	An Approach to Get Legal Assistance Using Artificial Intelligence	The approach called as Virtual Legal Assistant (VLA). VLA is a four-component based design that can enables legal experts to consult the legal situations with an interactive and AI-based virtual assistant.
Jishitha Kuppala, K. Kalyana Srinivas, P. Anudeep, R. Sravanth Kumar, P. A Harsha Vardhini	Benefits of Artificial Intelligence in the Legal System and Law Enforcement	AI-driven legal research tools can help lawyers find relevant cases, statutes, and precedents more efficiently, which is crucial for building strong legal arguments.
Nu Wang	"Black Box Justice": Robot Judges and AI-based Judgment Processes"	It mainly focuses on that AI can extract insights from a vast amount of legal data, potentially identifying patterns and trends that human judges might overlook.

AuthorName	TitleName	Description
Prameela Madambakam, Shathanaa Rajmohan	Legal Judgment Prediction using Deep Learning Techniques	This project focus on using an input case document as a guide, Legal Judgment Prediction (LJP) predicts the judgment, including relevant legal sections, charges.
Tara McKeown, Jamila Mustafina	AI in Law Practices	A framework was included in the decision support system, which was developed based on the requirements gathered from the case study and the interview.
Baogui Chen,Shu Zhang, Hao Lian,Tieke He	A Deep Learning Method for Judicial Decision Support	In this work, they examine the case's fundamental description and use a deep learning model to forecast the verdict based on three factors: the legal provisions, the penalty.

III. STUDIES AND FINDINGS

The research effort initiated an extensive look into the complexities associated with cybercrime and bullying, seeing them as intrinsic social problems that frequently get worse by trauma and shame. The foundation was established by a thorough analysis of the body of research and empirical studies, which revealed the pervasiveness of these problems in a variety of settings, including both the physical and digital domains.

This study also revealed the significant negative effects that cybercrime, harassment and bullying have on people's psychological health, highlighting the critical need for efficient support systems and interventions. The study also examined the complex interactions between social beliefs and opinions, demonstrating how victim-blaming and humiliation act as obstacles to reporting crimes and asking for assistance.

The research aimed to facilitate the creation of novel solutions by deeply exploring the complex interplay between difficulties and insights. This culminated in the creation of the "AI for Victims: Case Filing and Legal Guidance" project. By means of meticulous scrutiny and evaluation, the study aimed at understanding the complex nature of these concerns while also pinpointing avenues for significant transformation and empowerment for individuals who have experienced bullying and cybercrime.

IV. PROPOSEDSOLUTIONS

The "AI for Victims" project proposes developing an effective community of support particularly for people who have experienced bullying, sexual assault, and cybercrime. The architecture of the system consists of multiple key components that work together to give survivors comprehensive support. To standardize and evaluate textual data, a variety of datasets including user inquiries, paperwork, and support materials will be gathered and preprocessed initially.After that, machine learning models will be created and trained on labeled datasets to assist with the platform's AI chatbot, sentiment analysis, and intent identification, among other features. Furthermore, the system will have geo-tracking features that facilitate the safe sharing of users' geographical coordinates. This will enable the system to suggest police stations and other relevant services in the vicinity of the user's position. In order to encourage survivors' advocacy, knowledge-sharing, and peer support, a specific community forum will be created.

The platform's accuracy, responsiveness, and user experience will all be thoroughly tested and evaluated. It will

also be continuously monitored and improved upon to ensure its continuous effectiveness. The "AI for Victims" project hopes to implement a strong platform that dismantles social norms, empowers survivors, and promotes a culture of support and unity in the fight against cybercrime, sexual assault, and bullying through this suggested system.

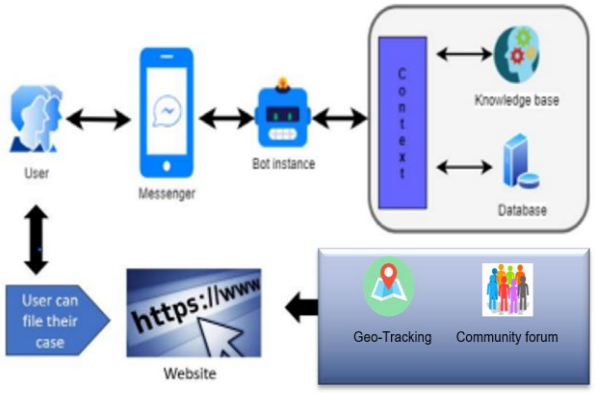

Figure 1: System Methodolog

Chat-Bot:

The creation of the AI chatbot for the "AI for Victims" project represents a substantial step in offering comprehensive help to victims of sexual assault and cybercrime, aggression as well as bullying. The chatbot uses sophisticated Natural Language Processing (NLP) techniques to learn how to respond to a wide variety of sensitive topic queries and scenarios.The chatbot is able to understand and react to user inquiries with empathy, accuracy, and relevance thanks to rigorous data curation and model training. NLP is a key component of this research since it helps survivors and the chatbot system communicate effectively, which improves the chatbot's capacity to offer prompt and accurate legal advice and assistance.The technique of iterative development, which is guided by input from users and ongoing enhancements, guarantees that the chatbot is adaptable and efficient in meeting the changing requirements of those who have survived difficult conditions. NLTK, Flask, Keras, and Python were among the technologies used in the chatbot's implementation. The survivors could interact with the system in an easy-to-use manner thanks to Flask, and text processing duties could be performed using NLTK to comprehend and analyze user queries. The neural network models that drive the chatbot's operations were developed and trained by Keras, and Python is the main programming language used to implement its logic and features. By leveraging a combination of these technologies, the chatbot effectively understands, interprets, and responds to user queries related to cybercrime, sexual violence, and bullying, providing valuable support to survivors in challenging circumstances.

Case Filing:

The case filing process is facilitated through an intuitive and user-friendly interface, allowing survivors to document their experiences, provide relevant details, and initiate legal proceedings with ease. The case filing functionality is integrated into the platform's user interface, providing survivors with a structured and guided process for filing their cases The interface is designed to be intuitive and accessible, featuring to edit and submit the details of the person to file their cases

Geo-Tracking:

Geo-tracking functionality plays a pivotal role in the project, offering survivors of cybercrime, sexual violence, and bullying access to location-based support and resources. Through the integration of GPS technology, the platform enables users to share their geographic location securely, allowing for tailored assistance and guidance based on their proximity to essential services such as police stations, support centers, or legal aid organizations.

This feature enhances accessibility to relevant resources, particularly for survivors in urgent or emergency situations, by providing real-time information and support based on their geographic context. Furthermore, geo-tracking functionality serves as a crucial safety measure, empowering survivors to access assistance discreetly and confidentially while preserving their anonymity. By allowing users to share their location securely within the platform, survivors can seek help without disclosing sensitive information to potential perpetrators or unauthorized individuals.

The recommendation of nearby police stations based on geo-tracking data enables survivors to access law enforcement assistance promptly and efficiently.

Community Forum:

The community forum that has been incorporated into the "AI for Victims" platform is an essential gathering place for survivors, attorneys, and other interested parties to exchange stories, ask questions, and provide assistance. The forum helps survivors facing difficult situations feel empowered and united by offering a dedicated platform for conversation and cooperation. Users can participate in candid discussions, exchange information, and offer ideas on their experiences with cybercrime, sexual assault, and bullying.

This fosters a supportive community where people feel understood, heard, and respected. In addition, the community forum provides a space for peer support and knowledge exchange, giving survivors access to helpful resources and advice from other community members and legal professionals.

This collaborative approach to problem-solving empowers survivors to navigate their experiences more effectively, leveraging the collective wisdom and expertise of the community to overcome challenges and advocate for their rights and well-being.

Furthermore, the community forum serves as a platform for advocacy and awareness-raising, enabling survivors and allies to mobilize support, share stories, and amplify their voices in the fight against cybercrime, sexual violence, and bullying. Through collective action and solidarity, users can advocate for policy reforms, challenge societal norms, and demand accountability from institutions and authorities responsible for addressing these issues. By harnessing the power of community activism and grassroots mobilization, the forum contributes to shaping a more just, equitable, and compassionate society where survivors' voices are heard, valued, and respected.

V. RESULTANALYSIS& CONCLUSION

In conclusion, the "AI for Victims: Case Filing and Legal Guidance" project is a major advancement in the use of technology to empower victims of bullying, sexual assault, and cybercrime. Through the incorporation of innovative Artificial Intelligence (AI) technologies, such as an extensive chatbot system, geo-tracking capabilities, and a community forum, the platform offers broad support and aid to survivors as they navigate difficult legal procedures and societal obstacles.

The platform has been developed through rigorous data collecting, model building, and testing to provide customized guidance, provide nearby assets, and create a community that supports allies and survivors. As the effort progresses, continuous observation, assessment, and refinement will be essential to guaranteeing the platform's efficiency, expandability, and influence in aiding survivors and confronting detrimental conventions. In the end, the "AI for Victims" project acts as a ray of hope and unity, enabling survivors to recover their agency, stand up for what's right, and pursue justice. The project is well-positioned to challenge cultural norms, empower survivors, and promote a culture of empathy and resilience in the face of hardship as it continues to iterate and improve its products.

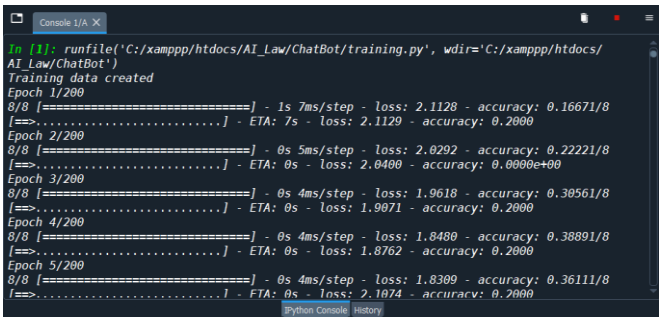

Figure 2:Training Data

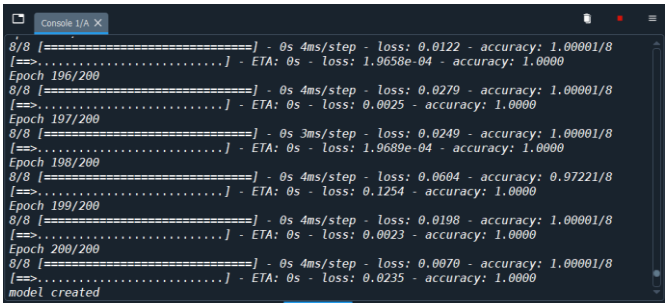

Figure 3:Chat-Bot-Training Model Creation.

The chatbot training model underwent 200 epochs, enhancing its accuracy and responsiveness over an extensive training period. This prolonged training duration ensures the chatbot's proficiency in understanding user queries and providingaccurate responses, ultimately improving the user experience.

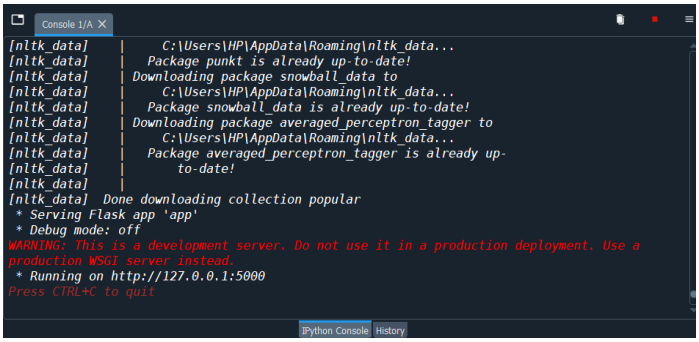

Figure 4: Running on localhost

The chatbot was deployed and running locally on the localhost environment, ensuring accessibility and security for users interacting with the system.

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