ABSTRACT

Women Safety Incident Reporting System

Google Developer Group(CVR) Solution Challenge

Theme : Gender equality and safe communities

Gender-based violence and harassment are widespread phenomena that affect women around the world. The incidents may occur in public areas, including streets, parks, or public transport, as well as in private spaces such as homes or workplaces. While the issues have been increasingly addressed in recent times, many women face considerable barriers like fear of retaliation, lack of support, unawareness of reporting channels when reporting these incidents. Thus, many cases of gender-based violence and harassment remain unreported, and comprehensive information on it is not available. The absence of such information poses significant constraints in determining the high-risk areas for effective prevention measures by the authorities. Without actionable data, interventions remain reactive rather than proactive, and public safety strategies are often poorly informed, leading to continued safety risks for women.

The Women Safety Incident Reporting System seeks to address these challenges by providing an accessible, secure, and anonymous platform where women can report incidents of violence, harassment, and abuse. The system focuses on creating a web interface that allows users to report incidents in real-time, ensuring that women can easily and safely document their experiences and raise awareness about safety concerns in their communities. The platform allows users to report incidents by selecting the type of violence, providing the location, date, time, and a description, with the option to upload photos or videos for evidence. The system leverages AI-driven analytics to identify patterns and trends, such as high-risk areas or peak times for incidents, and uses predictive modelling to forecast potential safety threats. The data is visualized through interactive charts, and graphs to help authorities understand and act on the information.

Key features:

- Women can report incidents anonymously, ensuring privacy and security.
- Reports are tied to specific locations using map-based inputs.
- Visual dashboards for authorities to identify safety risks at a glance.
- The Emergency Button which provides users with a quick, discreet way to alert authorities and nearby users during a dangerous situation.

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