SHEALERT: VIGILANCE REDEFINED

The Women Safety Project is an AI-powered surveillance system that is designed to improve public safety by automatically detecting suspicious behavior in real-time, focusing specifically on protecting women in public spaces. It uses advanced computer vision techniques such as gender detection, anomaly detection, facial expression recognition, and camera obstruction monitoring to provide continuous and proactive monitoring. It reduces the reliance on manual human oversight, which is prone to errors, fatigue, and delays. The system can detect aggressive gestures, distress signals, and unusual behavior patterns that may indicate harassment or violence, sending real-time alerts to authorities or security personnel for swift intervention. The camera obstruction detection feature ensures that the system is still functional even if objects or environmental factors block the view of the camera. The project aims to provide a comprehensive solution to women's safety concerns, which are designed to operate in various public environments, such as crowded public areas and workplaces. The system improves the speed and accuracy of threat detection while offering a proactive approach to preventing incidents of gender- based violence by using AI to continuously monitor and assess potential threats. This project aims to contribute to safer public spaces and reduce the risk of harm to women through timely, data-driven interventions.

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