

Video Surveillance and Security using Artificial Intelligence

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Abstract: *This project harnesses the power of the YOLO algorithm to create an AI-driven video surveillance system capable of swiftly detecting and categorizing criminal activities. By analyzing live video feeds in real-time, the system identifies potential threats such as theft and intrusion with remarkable accuracy. Its rapid object detection and tracking capabilities enable prompt intervention, thereby enhancing security measures and fostering a safer environment for all. This innovative approach to video surveillance represents a significant advancement in crime prevention technology, offering proactive solutions to safeguard communities against emerging threats.*

Keywords: Artificial Intelligence (AI), Video Surveillance, YOLO Algorithm, Crime Detection, Object Detection

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