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Implementation of Crime Activity Detection System using Deep Learning

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Abstract: Video Surveillance plays a pivotal role in today's world. The technologies have been advanced too much when artificial intelligence, machine learning and deep learning pitched into the system. Using above combinations, different systems are in place which helps to differentiate various crime behaviors from the live tracking of footages. The most unpredictable one is human behavior and it is very difficult to find whether it is detecting crime or not. Deep learning approach is used to detect crime or normal activity in an academic environment, and which sends an alert message to the corresponding authority, in case of predicting a crime activity. Monitoring is often performed through consecutive frames which are extracted from the video.

Keywords: Deep Learning, Crime detection, CNN, image processing etc

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