

# Crime Prediction using Machine Learning

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**Abstract:** Use of robots has become exceptionally famous yet its fullest potential must be acknowledged when teamed up with other modified sensors, subsystem carrying out functionalities like picture handling, route control, automated activation. Nowadays crime security is one of the major concerns to be tended in our country. At the point when a lady needs critical assistance at the hour of provocation or attack, legitimate reachability is absent for them. It is a system which will take input pictures and it will foresee the potential outcomes of crime unsafety and its stages utilizing profound learning. This venture assists in using rambling innovation as a viable method for tackling various issues of society by proposing a CNN based picture handling model. The paper talks about the prerequisite for utilizing such quicker, less complex, and powerful working techniques in protection of peoples by smoothing out and improving their activities by conquering the different difficulties of preparing to arrange and recognize weapons and shoot mishaps. In this paper we are going to discuss deep learning architecture such as Convolutional neural network for detection and classification of objects, K-Nearest Neighbor for generating alert and sending location to the nearby emergency units.

**Keywords:** Convolutional Neural Network, K- Nearest Neighbors, Deep Learning, Image Processing, Object Classification, Crime Safety Prediction

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