

Vehicle Accident Detection

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Abstract: *On Road accidents have become so rife that the fatalities due to these accidents have seen a steep rise. Accidents are a menace not only to human life, but resources, and it creates disruption in the normal traffic flow. The more concerning characteristic of the on road accidents is the overall damage rate that ensues these accidents. Now, when Machine Learning has taken over, the previously complex problems have become feasible, and the real life applications of these artificial ML models have been very promising. In this paper, we propose a learning Model that learns over an image dataset, thereby classifying never before seen images and data. With this model, we aim to predict and detect real-time collisions and accidents through a security camera planted along the periphery of the highways. We aim to classify these real-time accidents based on the level of damage. We will make use of the Artificial Neural Network to train the model to learn the similarities among images and accident data.*

Keywords: Road accidents

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