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Accident Detection Systems using Machine Learning

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Abstract: *Population development has resulted in a significant increase in car demand, which has led to an alarming increase in traffic congestion and auto accidents. Both the percentage of traffic deaths and the number of such accidents are rising significantly. However, the delay in emergency assistance is the main reason for the higher risk of fatalities. Effective rescue efforts could save many lives. Traffic jams or erratic contact with the medical units are to blame for the delay. To deliver aid quickly, automatic road accident detection systems must be put in place. The literature contains numerous solutions for automatic accident detection. The methods include machine learning, mobile ad hoc networks, GPS/GSM-based systems, and crash prediction utilising cellphones. Because road accidents cause such high rates of fatalities, road safety is the most important area that needs extensive research. In order to preserve road safety and save precious lives, we give a critical review of the many existing approaches used for forecasting and preventing traffic accidents in this study. We highlight their advantages, drawbacks, and issues that must be resolved. We emphasize their advantages, drawbacks, and issues that must be resolved.*

Keywords: Internet of things (IoT), Predicting and Monitoring, (CNN) Convolutional neural networks..

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