Driver Drowsiness Alert Detection for Vehicle Acceleration using Machine learning

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Abstract: *Since by deploying this method, we aim to reduce the number of accidents driven on by driver drowsiness and so raise the safety of drivers. Based on visual data and artificial intelligence, this technology manages the computerised detection of driving sleepiness. To be able to measure PERCLOS (% of eye closure) using Softmax for neural transfer function, we identify, display, and monitor both the driver face and eyes. Alcohol pulse detection is also used to find out if a person is normal or abnormal. Due to extended driving times and boredom in busy roadways, driver tiredness is one of the primary variables in traffic accidents, particularly among drivers of big vehicles (such as buses and heavy trucks).*

Keywords: Driver Drowsiness Detection, Vehicle Safety, Machine Learning, Acceleration, Alert System, Image Processing, Computer Vision, Deep Learning

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DOI: 10.48175/IJARSCT-10582

ISSN
2581-9429
IJARSCT

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