

Helmet And Number Plate Detection System

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Abstract: Prevent vehicle theft. The system utilizes the robust YOLOv5 algorithm to ascertain whether riders are wearing helmets and to identify license plate numbers. Additionally, it incorporates a feature to recognize stolen vehicles by querying a database. Upon detecting an individual without a helmet, the system issues a digital fine and sends a notification to the vehicle owner. In the case of identifying a stolen vehicle, immediate alerts are sent to both the owner and the police. When someone is caught without a helmet, the system issues a digital fine and sends a message to the vehicle owner. If a stolen vehicle is identified, both the owner and the police receive immediate alerts. The system operates efficiently in real-time, offering a robust solution to promote helmet usage, automate traffic enforcement, and aid in the recovery of stolen vehicles.

Keywords: Helmet Detection, Number plate Detection, Stolen Vehicle Identification, YOLOv3, CNN

REFERENCES/APPENDICES

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