Maiti M

Developer, 1+ years experience
Chennai, India
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With hands-on experience in computer vision and machine learning through projects using OpenCV & YOLOv5 . Proficient in Python programming, machine learning frameworks such as PyTorch and TensorFlow, and experience in data analysis and visualization.

INDUSTRIES: Automobile, Hospitality

TECHNICAL SKILLS

• Python	3 years
• SQL	3 years
• Machine Learning	2 years
• Data Analyst	2 years
• GCP	6 months

PROJECT DETAILS

• Speed Detection and Lane detection

Project Description: Created a computer vision model for traffic management system. Modelled completely on real-time traffic video input, achieving an accuracy of 78.7%.Trained to efficiently count vehicles in 2 road lanes while simultaneously extracting license plate data. Demonstrated a accuracy of 79.75% in counting vehicles within each lane.
Responsibilities: ML developer , Data collection, Data cleaning for detection object and speed.
Technologies: YOLO,Opencv
Industry: Automobile

• Human Gesture Recognition System

Project Description: Designed a model to classify human gesture and interaction utilizing OpenCV and YoloV5.Tested to accurately identifying and classifying 6 human interactions, like hugs, punches, kicks.Attained a model accuracy rate of 76.32% with accuracy of gestures ranging from 70% to 77%.
Responsibilities: Computer vision and Deep learning model developer for human interaction
Technologies: YOLO,Opencv
Industry: Hospitality

EDUCATION

• Bachelors degree in Computer science from Amrita university 2021 - 2025

LANGUAGES

• English - advanced

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