

Vardaan Shukla

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TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, Bash, HTML/CSS

Technologies/Frameworks: FastAPI, Scikit-learn, OpenCV

Developer Tools: VS Code, PyCharm, Git, IntelliJ Idea Ultimate

Profiles: LeetCode

INTERNSHIP/EXPERIENCE

Engineering Intern

Apr 2025 – Jun 2025

QualiX Information System LLP

Noida, India

- Developed a real-time vehicle tracking system using YOLO and OpenCV to calculate speed and detect violations like overspeeding and wrong-direction movement.
- Integrated with a MySQL database to log event data and save vehicle snapshots with timestamps.

PROJECTS

Vehicle-tracking-project

April 2025

AI/ML Project

Python, OpenCV, YOLO, MySQL

- Built an AI-powered vehicle speed tracking system using YOLO and OpenCV to detect, track, and calculate vehicle speed between two virtual checkpoints in real-time.
- Logged speed violations, wrong-direction movement, and snapshots to a MySQL database, enabling data-driven traffic monitoring and enforcement.

ByteDine-A backend-focused food delivery system

May 2025

Backend/API Development Project

FastAPI, Python, SQLAlchemy, SQLite/MySQL

- Designed and implemented a scalable backend system using FastAPI to manage users, restaurants, orders, and delivery partners through RESTful APIs.
- Enabled real-time order placement, grouping, and automated delivery partner assignment, with persistent storage using SQLAlchemy and SQLite/MySQL.

EDUCATION

VIT Bhopal University

Bhopal, India

B.Tech in CSE (AI/ML) – CGPA: 8.35

Sept 2023 – Present

Amity International School

Noida, India

CBSE 12th (PCM+PE) – Percentage: 83.0%

2022-23

Amity International School

Noida, India

CBSE 10th – Percentage: 96.20%

2020-21

CERTIFICATIONS

- Applied Machine learning in Python - University of Michigan
- API Fundamentals Student Expert - Postman