

PRATHAMESH SHINDE

AI & Web Developer | Real-Time Systems | Machine Learning

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OBJECTIVE STATEMENT

Motivated computer science undergrad with a strong foundation in AI, web development, and cybersecurity. Experienced in building real-time applications, integrating Google Maps, and deploying YOLOv8-based vehicle detection. Eager to contribute to impactful tech solutions that blend AI and system design.

EXPERIENCE

Project Developer - Smart Traffic Prediction System

Group Project

📅 01/2025 - 04/2025 📍 Maharashtra, India (Remote/On-site)

- Developed a real-time traffic prediction system using YOLOv8 to analyze live CCTV feeds.
- Integrated Google Maps API with dynamic camera updates along vehicle routes.
- Achieved ~90% accuracy in vehicle detection using a custom-trained YOLOv8 model.
- Designed frontend using HTML, CSS, JS; backend with Node.js and Flask integration.

Project Developer – Web-Based Weather Forecasting System

Self Project

📅 10/2024 – 11/2024 | Maharashtra, India (Remote)

- Built a responsive web app to fetch and display real-time weather data using OpenWeatherMap API.
- Used HTML, CSS, and JavaScript to visualize forecasts in a clean, user-friendly interface.
- Implemented location-based weather search with interactive UI components.

Project Developer – Face Reaction Detection (ML Fun Project)

Personal Project

📅 06/2024 – 07/2024 | Maharashtra, India (Remote)

- Created a Python-based ML app to detect and classify facial expressions using OpenCV and MediaPipe.
- Trained a lightweight model for basic emotion detection with real-time webcam input.
- Used the project to explore interactive ML interfaces for user engagement.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

ADCET, Maharashtra

📅 08/2023 - 05/2027 📍 Sangli, Maharashtra, India

- Courses: DSA, Machine Learning, Web Technologies, Cybersecurity, C, Python, Java
- Projects: Traffic Detection System using YOLOv8, Python, Security Tools Lab, IoT Smart Farming Model
- GPA: 7.60

KEY ACHIEVEMENTS

🏆 YOLOv8 Vehicle Detection Model Built and deployed a real-time object detection system using CCTV data and YOLOv8.	🏆 Google Maps Route Intelligence Created a smart system that updates camera feeds dynamically based on vehicle location and route
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SKILLS

Python	PyTorch	TensorFlow	Machine Learning	Computer Vision	CyberSecurity	SQL
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CERTIFICATION

Information Theory for Cybersecurity Academic Coursework	java Programming and DSA Scaler	Machine Learning and AI YOLOv8 Custom Object Detection – YouTube/Kaggle-based Self Training
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INTERESTS

★ Real-Time Systems Enthusiastic about building applications that respond instantly to live data, including traffic monitoring	and video-based analytics.	🎯 AI for Safety Focused on using artificial intelligence for public safety, such as intelligent alert systems and predictive analysis.
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LANGUAGES

English
Native



Japanese
Intermediate

