

PAVAN BHOSLE

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[LinkedIn](#) | [Github](#) | [Leetcode](#) | [Portfolio](#)

About Me

B.Tech student in **Artificial Intelligence & Data Science** with hands-on experience in building intelligent, data-driven applications and scalable systems. Strong in applying AI concepts, designing efficient application architectures, and solving real-world problems through practical projects.

Technical Skills

Programming Languages:	JavaScript, TypeScript, Python, Java.
Libraries/Frameworks:	React JS, Next JS, Tailwind CSS, Express JS, Node JS.
Data Science & AI:	Machine Learning, Deep Learning, Natural Language Processing
Tools/Platforms:	Git, GitHub, Data Structures, VSCode.
Databases:	MongoDB, MySQL, SQLite, Firebase.
Soft Skills:	Communication, Teamwork, Leadership.

Projects

AI Helmet Detection System | [Link](#)

React Js, AI&ML based Web App.

- **Developed** an AI-powered helmet detection system using a YOLO-trained computer vision model to detect helmet usage in real time and accurately track helmet wear duration with daily safety streaks.
- Implemented a secure **front-end web application** using Flask, React, and JWT authentication, integrating analytics and reward mechanisms to promote consistent helmet compliance.

ResuMate | [Link](#)

React Js, TailwindCSS, Firebase, Gemini API, ReactIcons.

- Built an **AI-powered Resume & Cover Letter Builder** that streamlined the job application process, reducing document creation time by 50% through automation.
- Integrated Gemini API for Enhanced Customization to deliver highly relevant and tailored resumes and cover letters based on user input, improving personalization and user satisfaction.

AI-Powered Intelligent Traffic Monitoring System | [Link](#)

Python, OpenCV, YOLOv8, Flask.

- Developed a real-time traffic analysis system for vehicle detection and category-wise counting from live CCTV feeds.
- Detects and classifies vehicles (cars, buses, trucks, bikes) with high accuracy Counts vehicles category-wise and tracks movement.
- Calculates traffic density and provides live analytics on dashboard Generates alerts in critical congestion or accident-risk scenarios.

Certifications

- Supervised Machine Learning: Regression And Classification – [Coursera](#)
- Meta Front-End Developer - [Coursera](#)
- Web Development - [Internshala](#)
- Python Data Structures and Algorithms - [Udemy](#)

Achievements and Hobbies

- Best Candidate **NCC Camp Awarded** for outstanding **performance, leadership, and discipline** during NCC training camp activities.
- Demonstrated ability to learn from mistakes and fix errors independently.
- Completed group projects smoothly with **teamwork** and **responsibility**.
- Photography & traveling for creative inspiration.

Education

Chhatrapati Shahu College of Engineering (CSMSS)

B. Tech Artificial Intelligence and Data Science

Chhatrapati Sambhajnagar, Maharashtra

Nov 2022 - June 2026

Shivchhatrapati College

HSC Computer Science, Percentage: 74%

Chhatrapati Sambhajnagar, Maharashtra

Sept 2020 - Mar 2022