

VRAJESH PANDYA

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SUMMARY

I am a final-year **B.Tech Computer Science** student, skilled in **MERN full-stack development, Python, Java, and Data Structures & Algorithms**. I have a deep passion for **web development** and am currently exploring **AI/ML technologies**. With strong problem-solving abilities, I enjoy building solutions that address **real-world challenges** through technology.

EDUCATION

ITM (SLS) Baroda University

Bachelor of Technology in Computer Science , *Current CGPA: 6.69*

*Vadodara, Gujarat
(2022 - 2026)*

SKILLS

Languages: Python , JavaScript , Java

Frontend: HTML , CSS , Tailwind CSS , React

Backend: Node.js , Express.js , MongoDB , Firebase , Flask , Jwt

Developer Tools: Git , GitHub , Postman , VS Code

Coursework: Data Structures & Algorithms , Object-Oriented Programming , Database Management Systems , Operating Systems , Computer Networks.

PROJECTS

CodeFolio Insights – Developer Portfolio Analyzer

[LIVE LINK](#) | [SOURCE CODE](#)

(React, Node.js, Express, MongoDB, Google Gemini AI, OAuth 2.0.)

- **Engineered CodeFolio Insights**, a holistic developer analytics platform that aggregates and evaluates data from **GitHub** and **LeetCode** to assess candidate employability, providing users with quantifiable performance scores and tailored improvement roadmaps.
- **Architected** a scalable **Node.js** and **Express** backend to process real-time API data, implementing custom weighted algorithms that calculate normalized competency scores based on commit history, problem-solving streaks, and contest ratings.
- **Integrated Google Gemini AI** to power a "Strict Hiring Manager" persona for critical resume parsing and analysis, while establishing secure user authentication using **Passport.js** with **Google OAuth 2.0** and **JWT** for protected session management.
- **Developed** a high-performance **React** frontend optimized with **TanStack Query** for efficient server state caching and **Zustand** for global state management, visualizing complex metrics through interactive **Recharts** and **ApexCharts** dashboards.

VoyageGen – B2B Travel Quotation System

[LIVE LINK](#) | [SOURCE CODE](#)

(React, Node.js, Express, MongoDB, GSAP, Tailwind CSS, JWT)

- **Developed** a high-performance **React** frontend styled with **Tailwind CSS**, integrating **Three.js** and **Vanta.js** for immersive **3D visuals** and **Lenis** for premium **smooth scrolling to enhance user engagement**.
- **Architected** a scalable **Node.js** and **Express** RESTful API to orchestrate complex data flow between the client and database, ensuring high availability for **real-time travel quotation requests**.
- **Implemented** robust security using **JWT** authentication and **bcrypt** hashing to establish a **strict Role-Based Access Control (RBAC) system**, protecting sensitive data across **Agent, Partner, and User** dashboards.
- **Engineered** advanced filtering logic to automate **partner matching and quote generation**, enabling the system to instantly calculate costs and margins based on dynamic user preferences like budget and star rating.

Real-Time Chat Application

[LIVE LINK](#) | [SOURCE CODE](#)

(React, Node.js, Express, MongoDB, JWT, Socket.IO, Zustand)

- Built a **secure full-stack chat application** with **user authentication** and **session handling powered by JWT**, ensuring **safe login, token validation, and protected API routes**.
- Integrated **Socket.IO** for real-time, **bidirectional communication**, enabling **instant messaging, typing indicators, and online/offline** user presence tracking.
- Designed and optimized a **scalable MongoDB** schema to store **users, conversations, and message history**, ensuring efficient data retrieval under heavy usage.
- Developed a responsive **React UI** with reusable components and **smooth state management**, providing a seamless chat experience **across desktop and mobile devices**.

Smart Attendance System

[LIVE LINK](#) | [SOURCE CODE](#)

(Python, React, Tailwind, MongoDB, Flask, TensorFlow)

- Designed and deployed a **full-stack web application** for automated student attendance management, reducing manual errors by **5%** and **saving ~10** administrative hours per week.
- Implemented a **ResNet50 deep learning model with TensorFlow**, achieving **98%+** accuracy in **face recognition** across varied lighting and angles.
- Integrated **Flask APIs** with a **MongoDB** database to securely manage student profiles and attendance records.
- Enhanced reliability of **attendance tracking** by significantly reducing false positives, **ensuring accurate and consistent student records**.

ADDITIONAL INFORMATION

- Active participant in **coding competitions and hackathons**.
- Strong **problem-solving, analytical, and communication skills**.
- Multilingual: **English, Hindi, Gujarati**.