

OMKAR JADHAV

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🌐 Portfolio 🌐 LinkedIn 🌐 GitHub 🌐 Leetcode 🌐 Codechef

SUMMARY

Computer Engineering student with a strong foundation in DSA and OOP. Experienced in designing and developing scalable web applications, REST APIs, and database systems using a full-stack MERN (MongoDB, Express, React, Node.js) stack. Passionate about problem-solving and pursuing a Software Development Engineer (SDE) career.

EDUCATION

Bachelor of Technology (B. Tech) – Computer Science and Engineering, Parul University

Aug 2023 – May 2027, Currently in 5th semester.

Current CGPA: **8.9 out of 10**

Projects

Smart-Link – Intelligent Public Transport Routing | Backend Engineer

Smart India Hackathon – Qualified University-level Round

- Built backend APIs powering a real-time bus-transport web app with an analytical dashboard.
- Designed and implemented a route-search engine using Dijkstra's Algorithm with tree-based structuring for fastest public-transport paths.
- Developed REST APIs to stream live GPS data and deliver analytics to the dashboard.
- Integrated MongoDB and Redis for scalable data handling and rapid route computations.
- Collaborated in a cross-functional SIH team; cleared the institute-level selection and advanced to the national stage.

AJWS – Full-Stack E-commerce Platform | Full-Stack Developer

- Built a multi-page shopping platform with a secure Node.js + Express backend and a vanilla JavaScript, HTML, and CSS frontend.
- Implemented user authentication and authorization using bcrypt for password hashing and cookie-parser/body-parser for session management.
- Designed and integrated a custom product search engine using merge sort and rank sort for fast and relevant results.
- Managed a MongoDB database with Mongoose, ensuring efficient queries and scalable data handling.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, C++
- **Web Development:** React.js, Node.js, Express.js, MongoDB, HTML, CSS, Bootstrap, Tailwind
- **Databases & APIs:** MongoDB, REST APIs
- **Tools & Platforms:** VS Code, Postman, MongoDB Compass, Azure (Basic)
- **Version Control:** Git, GitHub
- **Other Skills:** Problem-solving (DSA), Competitive Programming, Shell Scripting (Basics)

Achievements

- **Vadodara Hackathon & SIH:** Qualified for the national level of the **Smart India Hackathon (SIH)**, placing in the Top 45 teams at the **Vadodara hackathon**.
- **Smart Interviews:** Awarded the **Diamond Certificate** from **Smart Interviews**, demonstrating mastery in Data Structures and Algorithms (DSA) with a perfect score.
- **LeetCode:** Solved over 300+ problems, achieving a rating of 1728 and securing a global rank of 820 in Weekly Contest 456.
- **CodeChef:** Solved over 200+ problems, with a current rating of 1422 and a rank of 886 in the Starters 190 contest.