

AJAY PATEL

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EDUCATION

Parul University | B.Tech, Computer Science Engineering
Vadodara, Gujarat, India

2023 – 2027

- **CGPA:** 8.45 / 10.0
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, OOPS, Computer Networks, Web Technologies

TECHNICAL SKILLS

Languages C++, C, Java, Python, JavaScript (ES6+)
Frontend React.js, HTML5, CSS3, Responsive Web Design
Backend Node.js, Express.js, RESTful APIs, JWT Authentication, Middleware
Databases MongoDB, SQL, Mongoose ODM
Tools Git, GitHub, VS Code, Vercel, Figma, Postman
AI/ML LLM API Integration, Prompt Engineering, Generative AI Tools
CS Concepts Data Structures & Algorithms, Time/Space Complexity, OOPS, System Design Basics

EXPERIENCE

Software Developer Intern | Hindalco Industries Ltd. (Aditya Birla Group)
Renukoot, Uttar Pradesh, India

May 2025 – June 2025

- Developed front-end features for an internal **travel management web application**, improving UI consistency across **5+ key pages** using HTML, CSS, and JavaScript.
- Collaborated with a full-stack team in an **Agile/Scrum** workflow — participated in daily stand-ups and delivered all tasks on schedule within a **30-day sprint cycle**.
- Received formal recognition for **excellent performance** from the Learning & Development team at Aditya Birla Group.
- Gained hands-on experience with **production codebase management**, code review practices, and version control using Git.

PROJECTS

E-Commerce Web Application | *React.js, HTML5, CSS3, JavaScript, REST API*

[Live Demo](#)

- Built a fully responsive storefront with **20+ products**, dynamic filtering, cart system, and product detail pages using **15+ reusable React components** — cut code duplication by ~40%.
- Integrated mock REST API for dynamic product rendering with loading states and error boundaries; achieved **90+ Lighthouse performance score**.
- Deployed on Vercel with CI/CD pipeline; maintained **99% uptime** with zero post-deployment critical bugs.

Smart Personal Finance & Investment Advisor | *React.js, Node.js, Express.js, MongoDB, AI/ML* | In Progress

- Engineering a full-stack AI-powered financial platform with **RESTful API (10+ endpoints)** for user auth, expense tracking, and report generation using Node.js and Express.js.
- Built an interactive dashboard with **5 chart types** (bar, line, pie, donut, area) and integrated an **LLM-based AI chatbot** for natural-language Q&A, reducing time-to-insight by an estimated **60%**.
- Structured MongoDB schema with **4 core collections** (users, transactions, goals, insights) optimized for aggregation pipeline queries.

ACHIEVEMENTS & ACTIVITIES

- Solved **300+ DSA problems** on LeetCode covering Arrays, Graphs, Dynamic Programming, Trees, and Greedy techniques.
- Participated in **university-level hackathons and coding competitions**, delivering functional prototypes under time-constrained conditions.
- Completed industry-recognized certifications in **Advanced JavaScript** and **React.js Development**.
- Actively maintains **public GitHub repositories** with consistent commit history demonstrating version control discipline and open-source readiness.