

ATUL SINGH

Full Stack Developer • MERN Stack • React.js • Node.js • TypeScript
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PROFESSIONAL SUMMARY

B.Tech CSE student (2027) with hands-on experience building full stack web applications using the MERN stack, REST APIs, and TypeScript. Delivered 4+ production-grade projects with 300+ commits, including an offline-first PWA and an AI-powered platform live on Vercel. Proficient in React.js, Node.js, MongoDB, Express.js, Tailwind CSS and Redux. Seeking a Full Stack or Frontend Developer role to apply real-world skills and grow with a team.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, C++, Python

Frontend: React.js, Vite, Tailwind CSS, Redux, Three.js, Radix UI, HTML5, CSS3, Responsive Design, PWA

Backend: Node.js, Express.js, REST API Development, JWT Authentication, Web Speech API

Databases: MongoDB, PostgreSQL, Mongoose ODM, localStorage

Tools & Deploy: Git, GitHub, Postman, Figma, Vercel, Render, Netlify, VS Code

PROJECTS

DigitalRX – Clinic Management & Prescription App

React · JavaScript · Vite · PWA · Web Speech API | [Live Demo](#) | [GitHub](#)

- Developed an offline-first PWA clinic management system with patient management, digital consultations, and prescription generation — zero backend dependency.
- Implemented PIN-based auth with protected React Router routes, UUID-linked relational localStorage; integrated Web Speech API for voice-to-text dictation.
- Production-ready with 301 commits, reflecting consistent software development lifecycle and version control practices.

TripSmart – AI-Powered Trip Planning Platform

React · TypeScript · Node.js · MongoDB · Leaflet | [Live Demo](#) | [GitHub](#)

- Built a full stack trip planning platform unifying budget management, multi-modal Indian transport (flights/trains/buses), and destination recommendations — live on Vercel.
- Engineered TripAlgorithm.ts with city coordinate lookup, dynamic budget tiers, Indian Railways dataset integration, JWT auth, and MongoDB persistence.
- Implemented Leaflet.js map rendering with interactive route visualization and hybrid data layer for reliable real-time transport data.

PrepTrack – Placement Preparation Tracker

React · Node.js · Express.js · MongoDB · JavaScript | [GitHub](#)

- Built a full stack MERN application consolidating LeetCode progress, skill tracking, daily tasks, interview notes, and placement goals into a unified responsive dashboard.
- Architected a 6-module system (Dashboard, LeetCode, Skills, Tasks, Resources, Goals) with topic heatmap, activity graph, AI-powered suggestions, and JWT auth.

EDUCATION

B.Tech – Computer Science & Engineering (CSE) | 2023 – 2027 (Expected) | Parul University, Vadodara

HACKATHONS & ACHIEVEMENTS

- **[2026] Dev Trails Hackathon – KavachPay** — Contributed to KavachPay, a secure digital payments solution in TypeScript & React. [Live Demo](#) | [GitHub](#)
- **[2025] XR Creator Hackathon – WAVES 2025, Ministry of I&B** — Cleared Round 1; earned Qualification & Participation certificates in national-level XR hackathon by Government of India.
- **[2024] Smart India Hackathon (SIH) 2024** — Selected through Vadodara regional round; built an autonomous tactical drone system at India's largest student hackathon (1M+ participants).
- **[2024] Vadodara Hackathon 5.0 – Parul University** — Presented civic technology and smart city solutions at institutional level.

COMPETITIVE PROGRAMMING

[LeetCode](#): 150+ problems (Arrays, Strings, DP, Trees) | [CodeChef](#): atul_1501 | [HackerRank](#): atulsingh05540

Open to full stack & frontend developer roles • Available for immediate start