Soumya Jain

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OVERVIEW

2025 B.Tech Computer Science Engineering graduate with hands-on experience in building and deploying mobile and web applications. Proficient in React, React Native, and MERN stack development with strong focus on secure authentication, clean UI/UX, and performance optimization. Experienced in real-world product development, internships, and hackathons, with solid understanding of Data Structures and Algorithms.

TECHNICAL SKILLS

Languages: C++, JavaScript, HTML, CSS
Frontend/Mobile: ReactJS, React Native, Bootstrap, Tailwind CSS
Backend: Node.js, ExpressJS, Flask, Firebase
Databases: MongoDB, MySQL
Tools: Git, GitHub, Supabase, Razorpay
Concepts: Data Structures and Algorithms

INTERNSHIP/EXPERIENCE

Software Engineering Intern — *ByteXL*   *June 2025 - July 2025*
- Developed *Captcha Crafters*, a multi-format CAPTCHA platform supporting text, image, and audio CAPTCHAs using React and Flask.
- Implemented secure user authentication, role-based access, and API key management using Supabase for controlled API usage.
- Worked on backend logic and database handling, improving system reliability and response handling.
- Collaborated using Git/GitHub for version control, code reviews, and team-based development workflows.

PROJECTS

Test Yodha — *React Native (Expo), Firebase, Razorpay*
- Developed a production-ready competitive exam preparation mobile application using React Native and Firebase.
- Implemented secure Firebase Authentication (Email/Google) and Firestore for real-time data storage.
- Built MCQ-based test series with detailed performance analytics including accuracy, speed, and time analysis.
- Integrated Razorpay payments with coupon system, wallet balance, and referral rewards.
- Designed a community-driven Doubt Discussion section where users can post questions, comment, and share images.
- Implemented anti-cheat mechanisms including auto-submit on minimize and single-device login restriction.
- Deployed the app on Google Play Store as **Test Yodha**.

Chalo Kahi Chale — *MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS)*
- Developed a responsive travel booking web application using the MERN stack with a focus on performance and scalability.
- Implemented secure user authentication and authorization flows for account creation and session management.
- Designed and managed MongoDB schemas for users, destinations, and bookings ensuring efficient data organization.
- Optimized database queries and indexing strategies, reducing data retrieval time by approximately 25%.
- Implemented destination search and filtering functionality to enhance user navigation.
- Streamlined backend APIs and frontend data handling, achieving nearly 40% faster page load times.

Bharat Abhiyantrik — *ElectronJS, NodeJS, ExpressJS, MongoDB, Bootstrap, ExcelJS, ChartJS*
- Built a cross-platform desktop application for Shell engineers to analyze and manage chemical composition data using ElectronJS.
- Integrated ChartJS to provide visual data analytics and insights for efficient decision-making.
- Implemented ExcelJS for bulk data import and admin-level data management, improving data handling efficiency by 30%.
- Developed backend services using Node.js, ExpressJS, and MongoDB to streamline data processing and storage.

EDUCATION

Parul Institute of Engineering and Technology, Vadodara	**B.Tech, Computer Science Engineering**	7.67	*Aug 2021 – May 2025*
Maharshi Dayanand Saraswati Sr. Sec. School	**Class XII (Science/Maths)**	86.2%	*Apr 2021 – Mar 2022*

CERTIFICATIONS & ACHIEVEMENTS

Software Engineering — *NPTEL*
Data Analytics with Python — *NPTEL*
Finalist — *Odoo Hackathon*
Offer Secured — *Tech Mahindra (Graduate Engineer Trainee)*

EXTRACURRICULAR & INTERESTS

Guitar tutor on YouTube (sandytherock) with 5K+ subscribers, creating structured guitar learning content.

Travel vlogger (Safarnama – The Traveller) with 4K+ subscribers, capturing and publishing travel stories.