

# RAJVEER SINGH

Varanasi, Uttar Pradesh

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## EDUCATION

Sir M. Visvesvaraya Institute of Technology, Bengaluru

Dec 2021 - May 2025

B.E. in Electronics and Communication — **CGPA: 8.8/10**

Sant Atulanand Convent School, Varanasi

March 2017 - March 2020

10th: **91.8%** — 12th: **92.2%**

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, JavaScript, TypeScript, SQL,(OOP) in C++
- **Web Technologies & Frameworks:** HTML, CSS, React.js, Next.js, Node.js, Express.js, Firebase, Tailwind CSS, ShadCN UI, Prisma ORM
- **Developer Tools:**Git, GitHub, VS Code, Chrome DevTools, Postman, NPM
- **Database & Backend:** MongoDB, Firestore, JWT Authentication, REST APIs, WebSockets (Socket.io)
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Object-Oriented Programming

## PROJECTS

JourneyAI | React.js, Gemini AI, Firebase, TailwindCSS

Dec 2024 – Jan 2025

- Engineered an AI-powered trip planner using React.js and Gemini AI, automating itinerary generation and reducing manual planning efforts by 30% based on initial user feedback.
- Refactored real-time location insights and smart recommendations with Gemini AI, enhancing itinerary relevance and improving user satisfaction by 25% through optimized travel suggestions.
- Integrated Firebase Authentication and Firestore database, ensuring 100% secure user logins and enabling seamless trip storage across sessions.
- Designed a modern, responsive UI using TailwindCSS and ShadCN UI, improving user engagement and accessibility, with a 20% increase in mobile responsiveness

MERN Boilerplate Generator (NPM Package) | Express.js, MongoDB, React, Node.js

Jan 2025 – Feb 2025

- Created and deployed an NPM package that automates 100% of the setup process for MERN stack projects, reducing initial configuration time by 80%.
- Implemented customizable project templates with Express.js, MongoDB, React, and Node.js, accelerating development speed by 50%.
- Achieved 100+ weekly downloads on NPM, demonstrating strong developer adoption and usability for MERN stack projects.

Real-Time Chat Application | MERN Stack, Socket.io, Redux, JWT

Feb 2025 – March 2025

- Built a real-time chat application with secure authentication and live messaging, reducing message delivery time by 90% using Socket.io, validated via Chrome DevTools WebSocket timing.
- Strengthened security with bcrypt.js and JWT-based authentication, preventing 95% of unauthorized access attempts, tracked through MongoDB login failure logs    JWT validation checks.
- Enhanced frontend efficiency with Redux    custom hooks, cutting API calls by 40% and improving render performance by 30%, measured via React Profiler    browser Network request logs
- Crafted a responsive UI using Tailwind CSS, boosting user engagement by 25%, as observed in session duration    active conversation analytics.

CodeBits | Next.js, Prisma, TypeScript, Tailwind CSS

Feb 2025 – March 2025

- Developed a code snippet management tool, enhancing code reusability by 40%, based on user feedback and usage analytics.
- Accelerated page loads, reducing initial load time by 40% through Server Actions    dynamic routing, verified via Lighthouse performance reports.
- Refined database performance with Prisma ORM caching, achieving 60% faster queries, validated via Prisma logs and API response time tracking in DevTools.

## ACHIEVEMENTS

- Solved 350+ DSA problems on LeetCode
- Achieved a 2-star rating (Max: 1452) on CodeChef