

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: 9.0/10**

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
- **Developer Tools:**Git, GitHub, VS Code, Postman, NPM, Docker (basic), Linux (basic), Kubernetes (basic)
- **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%.
- Reached a peak of more than 100 weekly downloads after launch, now maintained as a niche utility tool with active usage.

Real-Time Chat Application [↗](#) | [MERN Stack](#), [Socket.io](#), [Redux](#), [JWT](#)

Feb 2025 – March 2025

- Built a full-stack real-time chat application using Socket.io for instant messaging, significantly improving message delivery speed compared to REST-based polling.
- Implemented secure user authentication using bcrypt.js and JWT, with route protection and password hashing to block unauthorized access during manual test cases.
- Optimized state management with Redux custom hooks, reducing repeated API calls and improving app responsiveness through effective caching and conditional fetch logic.
- 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 web-based code snippet management tool using Next.js and TypeScript to streamline and organize reusable code, improving developer productivity and reusability .
- Implemented server-side rendering and dynamic routing using Next.js Server Actions, which noticeably reduced page load time and improved app responsiveness during manual testing..
- Optimized database queries using Prisma ORM by structuring indexed queries and minimizing redundant fetches, resulting in faster data retrieval during CRUD operations.

ACHIEVEMENTS

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