

Rohit

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Portfolio

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EDUCATION

- Dayananda Sagar College of Engineering** Bengaluru, India
B.E in Electrical and Electronics Engineering; CGPA: 8.56 July 2022 - May 2026 (expected)
- Sadar Alam Memorial Secondary School** Bihar, India
Central Board of Secondary Education - XII Grade:76.6 Jan 2019- Jan 2021
- DAV Public School** Bihar, India
Central Board of Secondary Education - X Grade:-86.2 Jan 2013- Jan 2019

PROJECTS

- Real-Time Chat Application**
 - Live Demo* [↗](#) *GitHub* [↗](#)
 - Built a scalable real-time chat application for instant messaging using **React (Frontend)**, **Spring Boot (Backend)**, **WebSocket (STOMP protocol)** for real-time messaging, and **Tailwind CSS** for responsive UI design.
 - Integrated **Spring Security**, **JWT**, and **OAuth2** for secure user authentication, using **BCrypt encoder** for password encryption.
 - Leveraged **Spring AI** with the **Gemini API** to enable smart chat assistance through **RESTful API calls** using **WebClient**.
 - Enabled media file sharing (images, audio, videos, documents) in chat, with secure upload and delivery powered by **Cloudinary**, supporting files up to **50MB** and reducing load time by **35%**.
 - Implemented **Redux Toolkit** for efficient global state management and integrated **React Router** for seamless client-side navigation, reducing re-renders by **40%** and boosting performance.
- Paste App**
 - Live Demo* [↗](#) *GitHub* [↗](#)
 - Built a full-stack notes app with **React** (frontend) and **Spring Boot** (backend) for managing code/text snippets.
 - Secured the app using **JWT**, **BCrypt** for password hashing, and enforced **CSRF protection** via **Spring Security**.
 - Integrated **Java Mail Sender** for verification and password reset emails, achieving **100% deliverability rate** in testing.
 - Implemented a dynamic line numbering system for each snippet to enhance readability and editing precision.
 - Deployed the backend on **Render**, hosted the frontend via **Vercel**, and leveraged **MongoDB Atlas** for scalable cloud database storage.
- Mini Projects (JavaScript Applications)**
 - GitHub* [↗](#)
 - Study Sync:** Responsive website with HTML, CSS, and JavaScript, featuring animations and transitions for better UI/UX.
 - Calculator:** Built with HTML, CSS, JavaScript featuring arithmetic operations and a responsive UI.
 - Clock:** Developed a clock featuring both analog and digital displays using DOM manipulation and dynamic styling.

SKILLS

- Programming Languages:** C++, Java, JavaScript
- Technologies and Frameworks:** Spring Boot, React.js, Tailwind CSS
- Database Systems:** MySQL, MongoDB
- Other Skills:** Data Structures and Algorithms, Object Oriented Programming (OOPs)

CERTIFICATIONS

- Certificate of Excellence in C++ – Scaler Topics Certificate [↗](#)
- GFG 160 – 160 Days of Problem Solving Certificate [↗](#)
- Java Spring Boot Course Completion – Infosys Springboard Certificate [↗](#)
- Java Concepts Course Completion – Infosys Springboard Certificate [↗](#)

ACHIEVEMENTS

- Solved over 600 problems on **Leetcode** [↗](#), **GeeksforGeeks** [↗](#), and **Coding Ninjas** [↗](#).
- Participated in the **ROTECH Hackathon**, organized by BMSCE, and secured a position among the Top 10 teams.