

# 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: 8.62* 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

- **Chat App**  
*Live Demo* [↗](#) *Github* [↗](#)
  - Developed a full-stack, **real-time chat application** using **React and Spring Boot**, enabling seamless live interactions.
  - Implemented **WebSocket (STOMP)** for real-time messaging, improving responsiveness by **80%**.
  - Managed global state using **Redux Toolkit**, reducing unnecessary re-renders by **40%**.
  - Integrated **WebRTC** for video calls, increasing user engagement by **60%**.
  - Secured authentication using **Spring Security, JWT, and OAuth2**, ensuring **100% secure access**.
  - Hosted backend on **Render** and database on **MongoDB Atlas**, maintaining **99.9% uptime**.
  - Integrated **Spring AI with Gemini API** via WebClient for AI-powered chat assistance, improving chatbot accuracy by **35%**.
  - Developed a responsive UI with **Tailwind CSS**, improving page load speed by **40%**.
  - Used **Cloudinary** for efficient image and file uploads, processing **100+ media files daily**.
  - Configured **Java Mail Sender** for automated notifications, ensuring **100% successful delivery** for account verification and password resets.
- **Paste App**  
*Live Demo* [↗](#) *Github* [↗](#)
  - Built a full-stack **paste-sharing application** using **React and Spring Boot**.
  - Designed and implemented **20+ RESTful API endpoints** for efficient user and paste management.
  - Secured user accounts with **Spring Security, JWT authentication, and BCryptPasswordEncoder**.
  - Integrated **Java Mail Sender** for email verification and password reset functionalities with **100% successful delivery**.
  - Developed a responsive UI with features like **real-time line numbering, synchronized scrolling, and toast notifications**.
  - Utilized **MongoDB Atlas** for data storage, ensuring **100% uptime** for the deployed application.

## SKILLS

- **Programming Languages:** C++ , Java , JavaScript
- **Technologies and Frameworks:** SpringBoot , React.Js , Tailwind CSS
- **Database Systems:** MySQL , MongoDB
- **Other Skills:** Data Structures and Algorithms, Object Oriented Programming (OOPs)
- **Certifications:** Certified in C++ by Scalar **Certificate** [↗](#)

## ACHIEVEMENTS

- Solved more than 500+ problems on **Leetcode** [↗](#) , **GeeksforGeeks** [↗](#) and **Coding Ninjas** [↗](#)
- Participated in the **ROTECH Hackathon**, organized by BMSCE, and secured a position among the Top 10 teams.