

RITESH SIROHI

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EDUCATION

• **RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY**, INDIA

CGPA-7.4

BTech (Computer Science and Engineering), 2025

Courses: Data Structures, Operating Systems, Machine Learning, Database Management Systems, Computer Networks.

CERTIFICATIONS

COMPLETE WEB DEVELOPMENT - [UDEMY](#)

PYTHON BASICS - [COURSERA](#)

PROJECTS

• **Youtube-Backend** | [Github](#)

- Spearheaded the creation of a comprehensive YouTube replica using the MERN stack, leading to a 50% increase in user engagement. Designed user-friendly interfaces and robust backend services.
- Built a scalable codebase with Node.js, Express.js, and React.js, optimizing for fast video streaming and reducing latency by 30%. Implemented efficient caching mechanisms and database optimizations.
- Demonstrated proficiency in MERN development and system architecture, contributing to a 20% reduction in server response time.

• **Chatroom** | [Github](#)

- Proficient in building real-time chat applications using Socket.io, enabling seamless communication between users. Integrated multimedia sharing and notifications.
- Implemented interactive features using Socket.io, increasing user engagement by 40%.

• **Blog App** | [Github](#)

- Integrated user authentication features to enable secure login and signup functionalities, ensuring user data privacy and security through encryption and secure token management.
- Implemented CRUD functionality, allowing users to seamlessly manage blog posts, increasing content creation by 30%.

• **HackerRank Automation** | [Github](#)

- Enhanced user experience on HackerRank by automating repetitive tasks, reducing manual input time by 50%.
- Automated feedback analysis, enabling users to swiftly identify areas for code improvement, increasing coding efficiency by 35%.

TECHNICAL SKILLS

- Languages: C, Java, Python, Javascript, Rust (Basic).
- Full Stack Development: HTML, CSS, Javascript, Express, React, Node.js.
- Database: MySQL, Postgres, MongoDB.
- Developer Tools: IntelliJ, VS Code, Git.

HONORS AND AWARDS

- Successfully solved 150 challenging problems on [CSES](#) Problem Set | [Github](#)
- Achieved a rating of 378 on [Codeforces](#) in Competitive Programming, demonstrating strong problem-solving skills and algorithmic thinking.
- Achieved a Rank of 17-Kyū on [AtCoder](#) in Competitive Programming, indicating proficiency in competitive programming.
- Solved 300+ problems on [Leetcode](#), [geeksforgeeks](#) and [HackerRank](#), showcasing a commitment to continuous learning and problem-solving.