

Rahul Goswami

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Education

Diploma in Mechanical Engineering, K.G. Engineering Institute,	CGPA – 8.31	2019 - 2022
B. Tech in Information Technology, Bankura Unnayani Institute of Engineering,	CGPA – 8.24	2022 - 2025

Skills

Programming Languages: C and C++

Database: MySQL

MERN Stack: HTML5, CSS3, Tailwind CSS, JavaScript, MongoDB, Express.js, React.js, Node.js

Design: Figma

Animation: GSAP, Framer Motion

API & Testing: REST APIs, Postman

Tools & Version Control: GIT, GitHub, VS Code, VITE, Render

Work Experience

Open-Source Contributor – Various Projects (1st Oct 2024 – 10th Nov 2024)

- Contributed to open-source React and web-based projects by optimizing performance and improving UI components.
- Fixed bugs and enhanced functionalities in community-driven repositories to improve user experience and efficiency.
- Identified and fixed critical bugs in community repositories, enhancing user experience.
- Implemented lazy loading and performance optimizations, reducing load time by 30%.
- Collaborated with maintainers to review and merge pull requests efficiently.
- Gained experience in Git, GitHub, and collaborative software development workflows.

Projects

Quready | [Live](#)

- Designed a responsive platform to track DSA progress with topic categorization and performance-based quizzes, boosting engagement by 20%
- Implemented solutions in three languages (C++, Java, and Python) for better accessibility.
- Integrated three MCQ-based tests for real-world exam simulation.
- Designed a detailed report feature using Chart.js to display performance analytics after exam completion.
- Optimized performance by lazy loading components and reducing bundle size.
- Integrated Framer Motion for smooth animations and an intuitive user experience.
- Tech Stack** – React, Tailwind CSS, JavaScript, HTML5, Vercel

Code Genius | [Live](#)

- Developed an AI-powered code reviewer that analyzes uploaded code, detects issues, and provides suggestions for improvement, enhancing code quality by 30%.
- Optimized backend queries and implemented efficient caching mechanisms, resulting in a 40% reduction in API response time and enhancing real-time performance.
- Integrated Gemini AI API for intelligent code analysis and error detection.
- Tech Stack** – MERN Stack (MongoDB, Express.js, React, Node.js), Tailwind CSS, Gemini AI API, Render

Achievements & Certifications

- Coding World Cup Contest: Ranked 637 | [Link](#)
- Hacktoberfest-2024 | [Link](#)
- GirlScript Summer of Code Open-Source Contribution | [Link](#)
- Postman API Fundamentals Student Expert | [Link](#)