

Gopal Rajak

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Education

Birla Institute of Technology Mesra Ranchi
B.Tech in Electrical and Electronics Engineering

Aug. 2021 – Jul. 2025
CGPA: 7.52

Experience

Slash Mark IT Start Up
JavaScript Intern

May. 2024 – Jul. 2024
Remote

- Designed and developed highly responsive and interactive web interfaces using **JavaScript**, **HTML**, and **CSS**, leading to a **20%** reduction in page load time and significantly enhancing user engagement by optimizing rendering techniques.
- Collaborated in the development and debugging of **JavaScript** code, reducing errors by **30%** and ensuring seamless integration with back-end service.
- Refined best practices for code quality and efficiency, including modularization and refactoring, leading to a **15%** percent improvement in code maintainability.

Technical Skills

Languages: C++, JavaScript, HTML5, CSS3, SQL

Frameworks: Tailwind CSS, React JS, Node JS, Express JS, Redux, RESTful APIs

Developer Tools: Git, GitHub, VS Code, Postman, Cloudinary

Databases: MongoDB, MySQL

Achievements

- Awarded 7+ LeetCode achievement badges for solving 450+ complex algorithmic problems. [Link](#)
- Earned Certification in Data Structures and Algorithms – CodeHelp.
- Solved 650+ coding challenges on platforms like **LeetCode** and **GeeksforGeeks**.

Projects

Blog Application

[Link](#)

Material UI, Mongodb, Express.js, React.js and Node.js

- Built a **MERN** stack blog application with **JWT**-based authentication, handling 1,000+ user registrations securely and also enabled users to create, view, and share blogs, fostering community engagement.
- Enabled real-time commenting with optimized **API** calls, reducing average response time by **20%**, enhancing user engagement and also leveraged **MongoDB** for efficient data storage and retrieval.
- Engineered a responsive interface using **Material-UI** that enhanced user engagement by integrating five interactive features, resulting in a **20%** increase in average session duration across the platform.

Hospital Management System

[Link](#)

Mongodb, Express.js, React.js and Node.js

- Created a full-stack hospital management system, optimizing appointment scheduling, and automating **30%** of manual administrative tasks to enhance operational efficiency.
- Implemented **JWT-based** multi-level authentication, improving access security by **40%** and enabling role-based permissions for admin, doctors, and patients.
- Designed and produced dual frontends for users and admin, enhancing role-based access control.

ShopSphere: A Modern E-Commerce Experience

[Link](#)

HTML, CSS, JavaScript, React.js

- Built a **React.js-based** e-commerce frontend with **Redux Toolkit**, incorporating 5+ interactive **UI** components and simulating 100+ product views to enhance usability and navigation.
- Integrated real-time toast notifications using **react-hot-toast**, providing feedback on user actions.