

MRITUNJAY RAI

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📁 [Portfolio](#)

🌐 [mritunjay-rai-uf61](#)

🚗 [railav61](#)

Education

B.Tech - Computer Science and Engineering

ITS Engineering College CGPA - 8.0/10

September 2021 – June 2025

Greater Noida, Uttar-Pradesh

Technical Skills

Languages: C, C++, JavaScript, Java, SQL.

Technologies HTML, CSS, Bootstrap, TailwindCSS, Next.js, React.js, Express.js, Node.js.

Coursework: DSA, Operating Systems, OOPs, Computer Networks, DBMS

Database: MongoDB, MySQL

Familiarity with version control systems like Git

Experience

Software Development Intern

Prutor@IITK

September 2024 – Present

Noida, Uttar-Pradesh

- Developed and deployed MERN stack applications with 10+ third-party integrations, enhancing user experience by 30% through agile workflows.
- Optimized MongoDB and SQL queries with indexing, reducing data retrieval time and improving performance by 35%.
- Refactored backend architecture for sathee.prutor.ai, cutting load time by 25% and improving UX for 1000+ daily users.
- Collaborated with a cross-functional team, ensuring seamless integration of third-party services and optimizing workflows to enhance product delivery.

Projects

Customer Query Management System [↗](#) | React.js, Node.js, Express.js, MongoDB

- Built and deployed a scalable query management system using React.js, Node.js, Express.js, and MongoDB, enabling 500+ users to submit queries, improving customer engagement by 40%.
- Designed a real-time dashboard with Redux for agents to manage 200+ queries daily, reducing response time by 25% and increasing agent efficiency by 30%.
- Optimized MongoDB database operations and API performance, achieving a 35% improvement in data retrieval speed.

FundDonate – Donation Platform [↗](#) | React.js, Node.js, Express.js, MongoDB, Stripe API

- Developed a full-stack donation platform using the MERN stack, integrating Stripe API for secure payment processing across 10+ dynamic frontend components.
- Engineered 15+ RESTful API endpoints with Express.js and Node.js to manage user authentication, donation records, and transaction history in real-time.
- Designed a responsive UI with React Three Fiber animations and Material UI, achieving 95%+ Lighthouse performance and accessibility scores.
- Optimized MongoDB Atlas queries, improving data retrieval efficiency by 35% during CRUD operations and ensuring scalable backend performance.

CERTIFICATIONS

- Frontend Developer (React) - **Hackerrank** [↗](#)
- Java Basics - **Hackerrank** [↗](#)
- Node JS - Master the Fundamentals - **Scaler** [↗](#)

ACHIEVEMENTS

- Solved 350+ DSA problems across platforms (LeetCode, GeeksforGeeks, CodeChef), enhancing coding and algorithmic skills.
- Earned the Problem Solver Bronze Badge on CodeChef for consistent problem-solving performance.
- Secured multiple badges on LeetCode by solving a wide range of algorithmic challenges, showcasing proficiency in data structures and algorithms.