

Yash Rai

FULL STACK DEVELOPER

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SKILLS

BACKEND DEVELOPMENT | Python • FastAPI • NodeJS • ExpressJS

MISCELLANEOUS | C, C++ • Git • GitHub • MongoDB • MySQL

FRONT END DEVELOPMENT | HTML • CSS • JavaScript • Tailwind CSS • ReactJS
• Redux • NextJS

SOFT SKILLS | Team player • Bias for action • Deliver results

EDUCATION

Renaissance university

BCA, **Computer Science**

2025 | Indore, MP

CGPA: 7.9/10

PROJECTS

CHAT APP | ReactJS, JWT, MongoDB, Socket IO, ExpressJS, Zustand

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- Developed a dynamic chat application with real-time messaging, supporting over 500 concurrent users.
- Achieved sub-second latency with Socket IO for efficient WebSocket communication.
- Implemented Zustand for state management, optimizing performance for 1000+ messages per minute.
- Built a robust backend with ExpressJS and MongoDB, managing over 10,000 messages daily.
- Integrated JWT and bcryptJS for secure user authentication and data protection, safeguarding over 20+ user accounts

BOOK STORE | ReactJS, MongoDB, ExpressJS, NodeJS

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- Created an inventory management system for a book store with support for over 100 book entries.
- Enabled full CRUD operations, facilitating inventory updates and management.
- Designed an intuitive UI with ReactJS, improving user interaction and navigation efficiency by 40%.
- Architected a backend with NodeJS and ExpressJS, handling transactions for over 500 daily operations.
- Utilized MongoDB for scalable data storage, managing over 1000 records with high efficiency.

COLLEGE ADMIN PANEL | NextJS, MongoDB, ExpressJS, NodeJS, JWT

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- Developed a comprehensive admin panel managing data for over 1,000 students, professors, and admins.
- Implemented a secure login system, improving data security for 200+ administrative users.
- Designed functionality for CRUD operations, enhancing data management efficiency by 50%.
- Implemented search and filter functionality, reducing data lookup time by 50%.
- Demonstrated the panel to faculty, receiving positive feedback for its usability and impact on administrative processes.

COURSEWORK

Data Structures and Algorithms

Software Designs

Software Engineering

Database Management System

Computer Networks

Web Technologies

Linear Algebra

INTERESTS

Cricket • Chess • Health