

ANSH KUMAR

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EDUCATION

COLLEGE OF ENGINEERING ROORKEE

2020 – 2024

Bachelor of Technology - Information Technology (IT) - CGPA - 7.25

TECHNICAL SKILLS

- **Backend:** Python, C, C++, Node.js, Express.js
- **Frontend:** HTML, CSS, JavaScript, React, Redux, Tailwind CSS, Bootstrap
- **Database:** MongoDB, MySQL
- **Automation and AI:** n8n, LLM Integration, API Integrations, AI Automation, Agentic AI Workflows
- **Developer Tools:** VS Code, PyCharm, Git, GitHub, Docker

PROJECTS

QRush Gamified Quiz Platform [↗](#) | [React.js](#), [Redux](#), [Node.js](#), [Express.js](#), [MySQL](#), [Tailwind CSS](#)

- Built a gamified quiz platform with daily challenges, themed escape-room puzzle flows, and multiple interactive quiz modes.
- Developed a responsive React frontend using Redux, Tailwind CSS, Framer Motion animations, and reusable modular components.
- Implemented a Node.js/Express backend supporting authentication, leaderboards, play-count tracking, and category-based analytics with MySQL.
- Enhanced user engagement through personalization features such as badges, word-of-the-day, and category browsing.
- [\[Live Now\]](#)

Airbnb Clone [↗](#) | [Node.js](#), [Express.js](#), [MongoDB](#), [EJS](#), [Multer](#), [bcrypt](#)

- Built a full-stack Airbnb clone with MVC architecture using Express.js routing and EJS templating for dynamic views.
- Implemented secure user authentication system with bcrypt hashing and MongoDB session management.
- Developed property management system with Multer-based image upload and CRUD operations.
- Created comprehensive booking system with hosting, favoriting, and reservation features.

Myntra Clone E-Commerce App [↗](#) | [React.js](#), [Redux](#), [Node.js](#), [Express.js](#)

- Developed a fully responsive e-commerce frontend using React.js and Redux for state management.
- Dummy Simulated backend with Node.js, Express.js, and JSON-based product storage.
- Implemented core shopping features: product listing, cart, and checkout flow.
- Built reusable components and RESTful API calls for product and cart operations.

ChessIndia [↗](#) | [C++](#), [SFML](#), [Stockfish Engine](#)

- Created a desktop chess application with AI opponent using Stockfish engine integration.
- Implemented core game rules including castling, en passant, checkmate, and pawn promotion.
- Designed interactive GUI with piece dragging, move validation, and undo/redo features.
- Integrated adjustable AI difficulty and real-time move suggestions.

Data Structure Visualizer [↗](#) | [C++](#), [SFML](#), [OOP](#), [GUI](#)

- Built an interactive tool to visualize data structures like arrays, stacks, queues, and trees.
- Implemented animated insert, delete, search, and traverse operations with speed control.
- Designed custom SFML-based GUI for structure selection and user input.
- Used OOP principles to modularize components and maintain structure-specific logic.

CODING PROFILES

- Solved 220+ Problems on Leetcode
- Solved 120+ Problems on CodingNinjas