ANSH KUMAR

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PROFESSIONAL SUMMARY

Backend-focused Full Stack Developer with experience in building scalable web applications using Node.js, Express.js, React.js, Redux, MongoDB, and MySQL. Strong foundation in Data Structures and Algorithms, RESTful APIs, authentication, and database design. Hands-on experience with AI automation, LLM integration, and modern developer tools including Git, Docker, and cloud deployments.

EDUCATION

COLLEGE OF ENGINEERING ROORKEE   **2020 − 2024**

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

TECHNICAL SKILLS

Programming Languages: Python, C, C++, JavaScript

Frontend Technologies: HTML, CSS, JavaScript, React.js, Redux, Tailwind CSS, Bootstrap

Backend Technologies: Node.js, Express.js, REST APIs

Databases: MongoDB, MySQL

AI and Automation: n8n, LLM Integration, AI Automation, Agentic AI Workflows, API Integrations

Developer Tools: Git, GitHub, Docker, VS Code, PyCharm

EXPERIENCE

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.

ACHIEVEMENTS

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