AMIT KUMAR

Karnal, Haryana

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EDUCATION

University Institute of Engineering and Technology, MDU   **2022 − 2026**
*B.Tech - Computer Science and Engineering - **CGPA** - **8.3***   *Rohtak, Haryana*

COURSEWORK / SKILLS

- DSA
- Oops Concepts
- Software Engineering
- Operating Systems
- Computer Networks
- DBMS

TECHNICAL SKILLS

Languages: C, C++, Javascript, Typescript
Technologies/Frameworks: React, NextJs, NodeJs, Express, MongoDB, HTML, CSS, Tailwind, GSAP,
Developer Tools: VS Code, Git-GitHub
Operating System: Ubuntu, Windows

PROJECTS

D-Match ↗ | MERN Stack, JWT, REST API, Mongoose   **2025**

- Built scalable backend with Node/Express & MongoDB, implementing REST APIs with Express routing and Mongoose data modeling.
- Secured authentication using JWT tokens, bcrypt encryption, and middleware for error handling/validation.
- Optimized database performance with compound indexes & efficient queries for dynamic feeds (+15% throughput).
- Developed React frontend with state management and paginated API integration, following HLD/LLD architecture.

Zoo-Blogs ↗ | MERN Stack, Tailwind CSS, Redux, JWT, REST API, Render   **2024**

- Developed a full-stack blog platform using MongoDB, Express.js, React.js, and Node.js, implementing user authentication with JWT and Google OAuth for secure access control.
- Integrated Redux Toolkit with persistent state management for efficient data flow across React components and implemented CRUD operations for posts/comments.
- Designed responsive UI with Tailwind CSS including dark mode functionality, and developed admin dashboard with user/post management capabilities.
- Deployed application on Render cloud service with MongoDB Atlas integration, achieving 99.9% API reliability .

MoviesGPT ↗ | React, Tailwind CSS, Redux Toolkit, Gemini AI, Firebase   **2024**

- Integrated Gemini AI API for advanced search functionality, improving user experience by 30%.
- Implemented secure user authentication (Sign Up, Log In, Sign Out) using Firebase for seamless access control.
- Developed responsive UI with Tailwind CSS, ensuring compatibility across devices and screen sizes.
- Optimized app performance using useRef hook and memoization, reducing load times by 20%.
- Managed global state efficiently with Redux Toolkit, ensuring consistent data flow across components.
- Secured sensitive API keys using .env files, adhering to best practices for data security.

WORK EXPERIENCE

Freelancer - Full Stack Developer | *Remote*

* Developed full-stack web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js) and Tailwind CSS for responsive and modern UI.
* Implemented RESTful APIs with Express.js and integrated them with React frontend for seamless data flow and dynamic user experiences.
* Set up user authentication and authorization using JWT and Google OAuth, ensuring secure access to application features.
* Managed database operations using MongoDB, including schema design, query optimization, and data modeling for scalability.
* Deployed applications on cloud platforms like Render, ensuring high availability and performance for end-users.