MANUJ GUPTA

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Education

B.Tech in Information Technology | Dr. B R Ambedkar NIT Jalandhar, Punjab | December 2021 – July 2025

Summary

- B.Tech IT graduate from NIT Jalandhar skilled in MERN stack and real-time web applications.
- Solved 1000+ DSA problems with a strong grasp of system design and backend development.
- Built scalable apps used by 5K+ users; Flipkart Grid 5.0 and software quality assurance expert.

Technical Skills

Languages: C++, JavaScript, Python

Databases: SQL, MySQL, MongoDB, Appwrite
Frontend: HTML, CSS, React.js, Tailwind CSS, Redux Toolkit
Backend: Node.js, Express.js, FastAPI, JWT, RESTful APIs
Tools & Platforms: VS Code, Git & GitHub, PyCharm CE, DevTools, ChatGPT, Cursor, Trae, Unit Testing, Postman.
Computer Science Fundamentals: OOPs, DBMS, Operating Systems, Computer Networks, System Design
Cloud: AWS, Vercel, Render

Work Experience

Coding Club India | Software Development | May 2024 – July 2024
- Developed and maintained **5 websites** using HTML, CSS, JavaScript, and React**, resulting in a 30% increase** in user engagement.
- Collaborated with a **team of 4 developers** to implement responsive design, reducing mobile bounce **rates by 25%**.
- Optimized website **performance by 40%** through code refactoring and **integrating SEO best practices**.
- Designed and **executed 10+ user interface** enhancements, boosting **customer satisfaction scores by 15%**.
- Contributed to backend API development, **handling 1000+ daily requests**, and ensured robust security measures.

Projects

NITJ LOST-AND-FOUND *APP-WRITE REACT*
- Created a full-stack Lost & Found portal for NIT Jalandhar using React.js, Tailwind CSS, and Appwrite as backend.
- Users can post lost or found items with details and images, and search through listings efficiently.
- Applied secure authentication protocols and real-time data synchronization, enhancing user experiences and reducing login issues by 40%, resulting in smoother navigation for over 5,000 active users.
- Deployed live using Vercel, with Appwrite handling backend services like auth, DB, and file storage.

MERN E-Commerce Website | *MERN*
- Built a scalable e-commerce web application using MongoDB, Express.js, React.js, Node.js, with Redux Toolkit for efficient state management and Tailwind CSS for responsive UI design
- Integrated Stripe API for secure and seamless online payment processing. Executed user authentication and role-based access control using JSON Web Tokens (JWT), ensuring data security for both customers and admins.
- Enhanced product search, user profile, and order management, used by 1000+ users.

Real-Time Chat Server App *MERN, WebSockets*
- Built a real-time chat application using the MERN stack and Socket.IO to enable instant, bidirectional messaging between clients and the server
- Integrated JWT-based authentication to ensure secure user login, session management, and personalized chat experiences.
- Deployed the backend on Render and the frontend on Vercel, achieving high availability and scalability.
- Demonstrated strong understanding of WebSockets by managing message flow—where user input is sent to the server and re-broadcasted to the chat interface.

Achievements

- **Competitive Programming**: Solved 1000+ problems on platforms including CodeChef, LeetCode, GFG, HackerRank,and InterviewBit and solve complex problems
- **Academic Achievement**: Secured 99th percentile in JEE-Main,high communication skills.
- **Competitions**: Achieved Level 1.1 in Flipkart Grid 5.0 and ranked 1st in the Python Coding Mania program.