Jitendra Kumar

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Education

Bennett University, Greater Noida · Sept 2022 – May 2026 (Expected)

B.Tech in Computer Science Engineering and Technology [Data Science]

- CGPA: 7.5/10.0 || SGPA : 7.6/10.0
- **Coursework:** Data Structures and Algorithms, Machine Learning, Deep Learning, Big Data Analytics, Web Development (Frontend and Backend).

Skills

Programming Languages: Python, Java, C++, JavaScript, TypeScript, SQL

Data Structures and Algorithms Strong understanding of DSA concepts, with experience solving 100+ coding problems

Frontend Development: Skilled in building responsive interfaces using HTML, CSS, and JavaScript, with 5+ completed projects

Frameworks and Libraries: Practical experience with React.js and Next.js, applied in 2+ projects for server-side rendered React applications.

Backend and Databases: Experience with MongoDB, MySQL,jQuery,Bootstrap, Firebase, and knowledgeable in DBMS, working on 3+ database projects

Developer Tools: Proficient in GitHub, Figma, and Jira, with practical knowledge of Drizzle ORM for database abstraction in 3+ projects.

Machine Learning: Familiar with predictive modeling and data analysis, applying ML techniques in 2+ small-scale projects.

Work Experience/Projects

AI Mock Interview Website (Nov 2024 – Jan 2025) Link

- **Utilized a robust tech stack** for seamless integration and functionality, ensuring **99.9% efficient performance** and enhanced usability across **10+ devices**.
- **Developed a complete, responsive frontend** tailored for various screen sizes, including **720px and 1200px**, to ensure accessibility and user-friendliness.
- **Integrated API-based features** with **Gemini API** and **Clerk** for user authentication, enhancing security and improving performance by **30%**.
- **Achieved a 25% reduction in page load time** through optimized code and efficient API integration.
- **Technologies Used:** TailwindCSS, PostgreSQL, Next.js, React, Drizzle ORM, Neon, Gemini API, Clerk.

Sorting Visualizer Website (Aug 2024) [Link]

- **Created a comprehensive sorting visualizer** showcasing **5+ popular algorithms**, including **Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, Quick Sort, and Heap Sort**, with real-time performance visualization.
- **Designed an intuitive and engaging user interface** to simplify the understanding of sorting algorithms for users.
- **Successfully deployed** the website on **Vercel**, achieving **99.9% uptime** and ensuring fast and reliable access.
- **Enabled real-time animation speeds and step-by-step visualization**, enhancing interactivity and learning outcomes by **50%**.
- **Technologies Used:** React, DSA Sorting Algorithms.