SHASHANK VARSHNEY

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Technical Skills

Languages: Python, Java, C, HTML, CSS, JavaScript, Typescript, XML
Technologies/Frameworks:Next.js, React.js, Node.js, MongoDB
Miscellaneous: Figma, Git, Socket.io, VS Code, Tailwind CSS, vercel

Projects/Experience

Dynamic Online Shopping Platform | — *React.js, Node.js, MongoDB, Tailwind*   **January 2025**

- Designed intricate features for an online retail solution using leading technologies such as React Hooks and REST APIs; enabled real-time product updates that improved inventory visibility for over 5,000 products.
- Championed enhancements within existing systems by integrating an intuitive RESTful architecture that Enhanced front-end capabilities with real-time updates, improving user experience; improved overall functionality perceived directly from users engaging daily with products online.
- Optimized state management by sharing data among components using Context API, reducing unnecessary re-renders by 30% and improving overall application performance.
- Executed a cart management system, optimizing checkout flow and reducing checkout time by 40%, enhancing user engagement.
- Enforced a modular and reusable component structure, reducing code redundancy by 40% and improving maintainability, leading to a 25% faster development cycle and enhanced application performance.

Real-Time Chat Application | *Node.js, Express, Socket.io*   **November 2024**

- Developed a real-time chat application supporting instant messaging with latency under 200ms using WebSockets, ensuring 99.9% message delivery accuracy and seamless bidirectional communication for 100+ concurrent users.
- Created a message broadcasting system, reducing message delivery time by 80% compared to traditional HTTP polling, improving responsiveness
- Optimized backend performance, reducing server resource usage by 30%, enabling scalable and efficient real-time communication.
- Enabled multiple users to receive messages instantly, improving engagement and responsiveness.

Amazon Clone | *HTML, CSS*   **October 2023**

- Developed a visually accurate and fully responsive replica of a leading online retail platform using HTML and CSS, achieving 95% design accuracy compared to the original.
- Depicted an intuitive UI/UX layout, replicating key features such as product listings, navigation bar, and category sections, ensuring 100% responsiveness across devices and improving user engagement by 40%.
- Implemented flexbox and grid-based responsive design, ensuring seamless flexibility across different screen sizes.
- Focused on pixel-perfect styling and cross-browser compatibility, enhancing user experience and accessibility

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Machine Learning
- Internet Technology
- Systems Programming
- Computer Architecture

Education

Vivekanand College of Technology and Management   **Sep. 2022 – Present**
B.Tech in Information Technology   *Aligarh, UP*

RBM Sr. Secondary School   **April. 2020 – Mar. 2021**
XII (CBSE)   *Aligarh, UP*

Portfolio

Website: shashank-varshney.vercel.app

Achievements

Leetcode

- Solved more than 100 questions on Leetcode
- Received the 50-Day Streak Badge (2024).