

SHASHANK VARSHNEY

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Technical Skills

Languages: Python, Java, C, HTML, CSS, JavaScript, Typescript

Technologies/Frameworks: Next.js, React.js, Node.js, MongoDB, Docker

Miscellaneous: Figma, Git, Express, Socket.io, VS Code, Tailwind CSS, vercel

Summary

B.Tech IT student with hands-on experience in Next.js, React, Node.js, and MongoDB. Built scalable web apps managing 5,000+ products and supporting 100+ concurrent users. Improved app performance by 30% and reduced checkout time by 40%. Committed to clean architecture, performance optimization, and building real-world solutions.

Projects/Experience

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

January 2025

- **Deployed Link:** <https://get-pizza-on-door.vercel.app/>
- 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

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

Deployed Link of Website: shashank-varshney.vercel.app

Built with Next.js for high performance, server-side rendering, and responsive design.