Raghav Verma

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Education

Bachelor of Technology in Computer Science, VIT Bhopal (CGPA: 8.78)

CBSE Class 12, SOS Hermann Gmeiner School, Jammu

CBSE Class 10, SOS Hermann Gmeiner School, Jammu

Experience

Technical Experience, VIT Bhopal

- Participated in two hackathons, collaborated with diverse teams under tight deadlines.
- Gained experience in adapting to new technologies, optimizing workflows, and rapid prototyping.

Projects

Flux - Core

- Designed and deployed a highly responsive dashboard inspired by Stripe's design system, improving user task completion rates by implementing a drag-and-drop Kanban board using React DnD and Tailwind CSS.
- Developed an interactive "Live Component Sandbox", allowing users to preview code snippets in real-time, reducing distinct rendering errors by isolating untrusted code execution within secure Sandpack (iframe) containers.
- Implemented a complex data visualization suite for user earnings, rendering 1000+ data points with zero lag by utilizing memoization hooks and Recharts.

Reware – Modern Barter Platform

- Designed an intuitive product listing interface, increasing user item upload efficiency by implementing a multi-step form wizard with real-time image preview and compression using React and browser-side image processing APIs.
- Facilitated a streamlined negotiation process for users, reducing the friction of non-monetary deals by building a real-time "Offer Counter-Offer" system using WebSocket for instant state updates.

Technical Skills

Languages: C++, Java, JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3.

Frameworks Libraries: Next.js 14, React.js, Node.js, Express.js, Tailwind CSS, Redux Toolkit, Socket.io, Mongoose, Prisma

Databases: MongoDB, PostgreSQL, MySQL, Redis, AWS, DynamoDB

Tools Platforms: Git, GitHub, Docker, AWS , Postman, Linux , Vercel, VS Code

Core Concepts: Data Structures Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks, Web Security.