VISHAL VERMA

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Summary

Recent Computer Science graduate with a strong foundation in web development and hands-on experience in both Frontend and Backend technologies gained through academic projects. Proficient in HTML, CSS, JavaScript, database design, RESTful APIs, and project-based software development, with working knowledge of Java programming language. Demonstrates strong problem-solving and teamwork skills, along with a genuine enthusiasm for learning new technologies and contributing to innovative software solutions.

Skills

Programming Languages: Java, JavaScript, C
Frontend: HTML5, CSS3, React.js, Bootstrap, Tailwind CSS
Backend: Node.js, Express.js
Databases: MongoDB, MySQL
Developer Tools: Git, GitHub, Visual Studio Code
Core Competencies: Problem Solving, Communication, Collaboration

Projects

Tredzo – Zerodha-Style Stock Trading Web Application
React.js, Material UI, Bootstrap, Node.js, Express.js, MongoDB, Chart.js, Jest
- Built a MERN stack Zerodha-style trading interface featuring a realistic landing page and interactive modules for watchlists, holdings, positions, funds, and order management, closely replicating real-world trading workflows.
- Developed RESTful APIs using Express.js and MongoDB with well-structured schemas for watchlists, holdings, and positions. Implemented simulated buy/sell trade execution and integrated Chart.js portfolio visualizations, including vertical bar and doughnut charts.
- Designed a scalable architecture with modular React components, Jest-tested core logic, and planned cloud deployment on Render, including integration of JWT-based authentication and protected routes.

EchoStream – Real-Time Video Calling & Chat Platform 🔗
React.js, Vite, Tailwind CSS, Node.js, Express.js, MongoDB, TanStack Query, Stream APIs, WebRTC
- Built a MERN stack global language exchange platform featuring structured onboarding, comprehensive user profiles, real-time chat, and video calling using a scalable architecture.
- Implemented JWT-based authentication with secure login and signup flows, protected routes, and a friends system to enable trusted user interactions.
- Integrated real-time messaging and low-latency WebRTC video calling. Designed a customizable user interface with 32 themes, applied custom React hooks and industry best practices, tested APIs for reliability, and prepared the application for production deployment.

Personal Portfolio Website 🔗
React.js, Tailwind CSS
- Built and deployed a fully responsive, single-page portfolio application using React and Vite, implementing modular components for sections such as Hero, About, Projects, and Contact to ensure scalability and maintainability.
- Styled the application using Tailwind CSS with custom animations and responsive layouts, and integrated EmailJS to enable a functional contact form with client-side email delivery and no backend dependency.

Education

Bachelor of Technology (B.Tech.) in Computer Science   **Graduated: 2025**
S.D. College of Engineering and Technology   *Muzaffarnagar, India*

Certifications

- **Certified Web Development Course – Apna College (2025):** Completed a full-stack web development certification program, gaining practical experience with core web technologies and frameworks. 🔗

- **C Programming – IIT Kanpur (2021):** Completed a comprehensive C programming course covering fundamental programming concepts and data structures. 🔗