VISHAL VERMA

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Summary

A Computer Science graduate with a solid foundation in web development and hands-on experience gained through academic and project-based work. Skilled in HTML, CSS, and JavaScript, with practical exposure to backend development, database design, and building RESTful APIs. Familiar with Java programming and core software development principles. Demonstrates strong problem-solving abilities, effective teamwork, and a consistent willingness to learn new technologies and contribute to well-structured, maintainable software solutions.

Skills

Programming Languages: JavaScript, Java, 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 front-end architecture with modular React components, implemented core logic with **Jest** testing, and am preparing for deployment on Render, including JWT-based authentication and protected route management.

EchoStream – Real-Time Video Calling & Chat Platform 🔗

React.js, 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. 🔗