

VISHAL VERMA

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Summary

Full Stack Web Developer with a solid foundation in the MERN stack (React.js, Node.js, Express.js, MongoDB). Experienced in building functional web applications, developing RESTful APIs, implementing JWT-based authentication, and creating responsive user interfaces. Familiar with Java and core software development fundamentals. Strong problem-solving mindset with a focus on clean code, continuous learning, and effective collaboration in fast-paced environments.

Skills

Programming Languages: JavaScript (ES6+), Java, C

Frontend Technologies: HTML5, CSS3, React.js, Tailwind CSS, Bootstrap

Backend Technologies: Node.js, Express.js, RESTful APIs, Middleware, Authentication & Authorization

Databases: MongoDB, MySQL

Tools & Platforms: Git, GitHub, Postman, Visual Studio Code

Projects

VisionBoard Pro 🔗

December 2025 – January 2026

- Developed a **MERN** stack web application enabling users to create, read, update, and delete notes with structured titles and descriptions following a **client-server architecture**.
- Designed and implemented **RESTful APIs** using proper **HTTP methods** and **status codes**, with **middleware**-based input validation and centralized **error handling** to ensure reliable request-response flow.
- Implemented request rate limiting using **Redis** and environment-based configuration to demonstrate real-world backend scalability, security, and traffic control concepts.
- Tested and debugged **RESTful APIs** using **Postman** to validate **API integration** and ensure consistent backend behavior.

Personal Portfolio Website 🔗

November 2025 – December 2025

- Designed and developed a fully responsive single-page portfolio application using **React.js** and **Vite**, implementing modular and reusable components for sections such as Hero, About, Projects, and Contact to ensure maintainability and scalability.
- Built a modern and accessible user interface using **Tailwind CSS** with responsive layouts and custom animations to enhance user experience across devices.
- Integrated **EmailJS** to implement a functional contact form with client-side email delivery, eliminating backend dependencies while ensuring reliable message handling.

EchoStream – Real-Time Video Calling & Chat Platform 🔗

March 2025 – May 2025

- Built a **MERN** stack real-time communication platform focused on global language exchange, featuring structured onboarding, detailed user profiles, real-time chat, and video calling using a scalable architecture.
- Implemented **JWT**-based authentication and authorization with protected routes and access control to enable secure and trusted user interactions.
- Integrated real-time messaging and low-latency **WebRTC** video calling to support seamless communication.
- Designed a customizable and responsive user interface with **32 themes**, utilized custom React hooks and industry best practices, tested **REST APIs** for reliability, and prepared the application for production deployment.

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. 🔗

Education

Bachelor of Technology (B.Tech.) in Computer Science

S.D. College of Engineering and Technology (AKTU)

Graduated: 2025

Muzaffarnagar, India