Sumit Kumar Garsa

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Technical Skills

Programming Language: JavaScript, TypeScript, C++, HTML, CSS
Frontend Development: React.js, Next.js, HTML5, CSS3, SCSS, Boot strap, Tailwind CSS, Material-UI
Backend Development: Node.js, Express.js Database Development: MongoDB, MySQL, Firebase
Security: Penetration Testing, Web Security, JWT Authentication
Design tool: Premier Pro, Photoshop, Davinci Resolve
Mobile Application Development: Kotlin (Beginner)

Education

Bachelor of Technology in Computer Science Engineering

Vellore Institute of Technology (VIT)

 August 2021- July 2025

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Architecture, Database Management Systems, Software Engineering, Object-Oriented Programming, Computer Networks, Cloud Computing, Machine Learning, Cybersecurity

Professional Experience

❖ **VIT Student Organizations, Vellore, Tamil Nadu | August 2021- Present**

Led cross-functional development teams of 8+ software engineers and developers across multiple full stack web development projects, resulting in 40%

improvement in project delivery time and code quality

• Architected, designed, and developed 5+ scalable web applications using React.js, Node.js, Express.js, MongoDB, and cloud technologies, serving 1000+ active users

❖ **ZeTheta Algorithms Private Limited | Remote | 05/05/2025 – 05/07/2025**

Autonomous SEBI Registered Investment Advisory Platform

Domain: Fintech, Wealth Tech UI/UX and Frontend Development

Implementation: Built intuitive, user-friendly interfaces for onboarding investors, profiling risk appetite, and displaying financial recommendations.

Projects

Real-Time Collaborative Code Editor

Technologies: React.js, Node.js, Express.js, WebSocket, MongoDB, JavaScript, HTML5, CSS3   **GitHub: GitHub Link**

Developed and deployed a real-time collaborative coding platform supporting 50+ concurrent users with WebSocket architecture and live code synchronization.

• Achieved 99.9% uptime with optimized WebSocket connections, error handling, and performance monitoring

 • Improved collaborative workflows for development teams and coding education platforms.

Custom Code Editor with Integrated Compiler

Technologies: React.js, CodeMirror, Judge0 API, RESTful APIs, JavaScript, HTML5, CSS3   **GitHub: GitHub Link**

Built a comprehensive desktop code editor supporting 10+ programming languages with real-time compilation and code execution capabilities

• Integrated Judge0 API for secure code execution and implemented custom test case evaluation system for automated testing

• Developed advanced IDE features including intelligent auto-completion, bracket matching, custom themes, syntax highlighting, and code formatting

Smart Cab Booking System

Technologies: Next.js, TypeScript, Mapbox API, Stripe API, Tailwind CSS, React.js   **GitHub: GitHub Link**

Designed and developed a comprehensive end-to-end cab booking platform with real-time GPS tracking, route optimization, and secure payment processing

Integrated Mapbox API for advanced mapping functionality, route optimization, fare estimation with 95% accuracy, and real-time location tracking