Vishal Sadhotra

Software Engineer | C++ | DSA | Full-Stack Development
vishalsadhotra00@gmail.com | +91 9682199592 | Bangalore
Leetcode | GitHub | Portfolio | Linkedin

Experience

Techible | SDE Intern Jammu | July 2024 - Aug 2024
- Built a real-time chat application using React.js, Node.js, and Socket.IO, implementing event-driven communication and real-time interactions.
- Developed REST APIs using Node.js and MongoDB, integrating backend services with React.js frontend applications.
- Collaborated with a 4-member Agile team across feature development, debugging, API integration, and application improvements.

Finnlogin IT Services | Trainee Bangalore | May 2023 - Nov 2023
- Developed an employee management dashboard using React.js, Express.js, MongoDB, and REST APIs with CRUD functionality.
- Implemented authentication and backend data flows for employee and project information.
- Built a task-tracking module with API-driven workflows for monitoring project progress and deadlines.

Ladybird Web Solutions | QA Intern Bangalore | May 2025 - Nov 2025
- Tested e-commerce workflows including authentication, product search, product listing, cart, and wishlist using positive and negative test scenarios.
- Automated repetitive user workflows including login, product navigation, and add-to-cart using Selenium WebDriver.
- Tested REST APIs using Postman by validating HTTP methods, request parameters, headers, request bodies, status codes, response bodies, and response times.

Skills

Languages:	C++, Java, Python, JavaScript
Programming:	Data Structures & Algorithms, OOP, Problem Solving, Algorithm Design
Backend:	Node.js, Express.js, REST APIs, Socket.IO, Mongoose
Databases:	MongoDB, PostgreSQL, MySQL
Frontend:	React.js, Next.js, TypeScript, Tailwind CSS
AI / GenAI:	Generative AI, LLMs, Gemini API, OpenAI API, Prompt Engineering
Testing:	Selenium WebDriver, API Testing, Postman, Test Case Design
Tools:	GitHub, Git, Docker, Vercel, Render
Concepts:	Real-Time Systems, API Design, Performance Optimization, Authentication, CRUD, Database Integration

Projects / Open-Source

Chatify – Real-Time Chat Application *Node.js, Express.js, React.js, MongoDB, Socket.IO*
- Developed a real-time chat application using React.js, Node.js, Express.js, MongoDB, and Socket.IO.
- Implemented REST APIs and WebSocket-based communication for real-time messaging and user interactions.
- Integrated MongoDB for persistent storage of users, conversations, and messages.
- Structured event-driven communication to support responsive real-time interactions and efficient message handling.

EduGlow | Link *Node.js, Express.js, React.js, MongoDB*
- Built a MERN-based educational platform supporting course creation, consumption, ratings, and instructor course sales.
- Developed backend services using Node.js, Express.js, MongoDB, and Mongoose for users and educational content.
- Integrated frontend and backend through REST APIs for responsive application workflows.
- Implemented reusable API-driven components and structured database interactions for application functionality.

Quizyfy | Link *React.js, Tailwind CSS, JavaScript, Gemini API*
- Developed an AI-powered quiz generator allowing users to select topics, question counts, and difficulty levels.
- Integrated Google Gemini API to dynamically generate quiz content based on user-selected parameters.
- Designed API-driven application flows and handled generated responses within the React frontend.

Education

University Institute of Engineering and Technology Kathua
B.Tech (Computer Science and Engineering) 2021 - 2025
CGPA: 7.1

Certifications & Achievements

- Solved 500+ DSA Problems on Leetcode
- Ranked 2380 of 35,383 and 2863 of 29,463 participants in Leetcode weekly contests 404 and 393 respectively
- Full-Stack Web Development Intern - **Techible Smart Learn Private Limited**
- SDE Intern - **FINNLOGIC IT Services Pvt. Ltd.**

Relevant Coursework

Data Structures & Algorithms • Object-Oriented Programming • Database Management Systems • Operating Systems • Computer Networks • Software Engineering