

Suvarna Shukla

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Professional Summary

Detail-oriented Computer Science undergraduate with hands-on experience in full-stack and front-end development. Proficient in C++, Python, Java, and JavaScript, with expertise in ReactJS, NodeJS, ExpressJS, Tailwind CSS, and Bootstrap. Experienced in building scalable applications, working with MySQL and MongoDB, and using AWS, Git, and Postman for deployment and API testing.

Education

Vellore Institute of Technology, Bhopal

November 2022 – Present

Bachelor of Technology, Major in Computer Science and Engineering

CGPA: 8.80 / 10

Relevant Coursework: Object Oriented Programming, Computer Networking, Operating Systems, Database Management Systems

Work Experience

Front-end Developer Intern

May 2025 – July 2025

WebNGigs

- Implemented 4+ front-end features for an internal dashboard using ReactJS, improving usability and delivering a cleaner interface.
- Built reusable User Interface (UI) components from scratch, reducing code duplication by 25% and improving component load times by 15%.
- Resolved 20+ bugs related to responsiveness and styling, enhancing stability and ensuring a consistent experience across browsers.

Projects

Code Editor | ReactJS, Socket.IO, Monaco Editor | [GitHub](#)

January 2025

- Built a real-time collaborative code editor with ReactJS and Socket.IO, achieving sub-100ms latency for seamless multi-user synchronization.
- Designed a scalable session management system with Monaco Editor, enabling 10+ teams to collaborate in separate workspaces.
- Optimized WebSocket communication and applied component-driven design, improving reliability and scalability for classrooms of 10+ students.

Cause-Crew | ReactJS, Tailwind CSS, MongoDB, Node.js, Express.js | [GitHub](#)

September 2024

- Engineered a full-stack application featuring a RESTful API with 5+ endpoints to manage events, user data, and volunteer roles, effectively separating front-end and back-end logic.
- Built a high-performance, accessible React UI with 15+ modular components, guaranteeing a seamless experience on all devices.
- Implemented secure user authentication using Google OAuth 2.0 and integrated the PayPal Sandbox API for donation processing, successfully validating the system with over 50 simulated transactions.

Certifications

- Bits and Bytes of Computer Networking (Coursera, Offered by Google)

Skills

- Technical: HTML, CSS, Tailwind, ReactJS, MySQL, MongoDB, JavaScript, NodeJS, ExpressJS, NumPy, Bootstrap, Matplotlib
- Tools and Platforms: Git (Version Control), AWS, Postman
- Languages: C++, C, Python, Java

Extracurriculars

Public Relations Team (Health-o-Tech Club)

August 2023 – August 2024

- Executed 5+ strategic PR campaigns that increased social media engagement by 40%.
- Managed 8+ successful events attended by over 800 participants, ensuring smooth planning and execution.

Event Manager (AdVITYa'23) (The Linux Club)

February 2022

- Orchestrated Linux Club events during AdVITYa'23, successfully attracting over 100 participants through targeted marketing strategies and engaging content, resulting in a 40% increase in attendance compared to the previous year.