

Suvarna Shukla

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Education

Vellore Institute of Technology, Bhopal

November 2022 – Present

Bachelor of Technology, Major in Computer Science and Engineering

CGPA: 8.78 / 10

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

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

Internship

Front-end Developer and Technical Consultant Intern

May 2025 – June 2025

WebNGigs

- Helped the team in understanding client requirements and supported them in delivering solutions.
- Contributed to front-end development tasks such as improving webpage layouts and enhancing user experience through simple design adjustments.
- Participated in team discussions to understand project goals, helped solve minor technical issues, and gained exposure to real-time project workflows.

Projects

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

January 2025

- Developed a real-time collaborative code editor using ReactJS, Socket.IO, and Monaco Editor, enabling real-time collaborative coding with instant content sync to improve team productivity.
- Implemented a room-based session management system, enabling users to join collaborative coding sessions via unique identifiers. This system supported over 10 concurrent sessions and 50+ user interactions, providing real-time visibility into active rooms and participants.
- Engineered a highly scalable and modular system using a Web Socket-based communication protocol and component-driven React design. This architecture ensures effective synchronization and a seamless user experience across all high-fidelity coding environments.

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

September 2024

- Created an application that solves the challenge of finding event support by centralizing volunteer and organizer needs, allowing users to easily match based on availability and location.
- Integrated Llama and PayPal APIs to enhance event management for up to 25 organizers, boosting planning efficiency by 10–15% through optimized resource allocation and scheduling, and facilitating over 50 philanthropic transactions.
- Engineered a highly responsive and interactive user interface using ReactJS and Tailwind CSS, delivering a seamless experience to over 100 users. Implemented OAuth-based authentication to ensure secure access and protect user data.

Achievements

- Achieved a top 5% rank among 23,000+ students nationwide in the NPTEL Cloud Computing Certification Exam.
- Collaborated with a team of four to successfully develop and launch a comprehensive e-commerce platform, integrating secure payment gateways and intuitive product management features.

Certifications

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

Extracurriculars

Public Relations Team (Health-o-Tech Club)

August 2023 – August 2024

- Raised the visibility of the club by implementing strategic PR campaigns across multiple channels, increasing social media engagement by 40% and managed 8+ successful events with 800+ participants, fostering strong partnerships with sponsors and student groups.

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

February 2022

- Orchestrated Linux-related events during AdVITya'23, successfully engaging over 100 students.