

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

Projects

Symo-Sync | ReactJS, CSS | [GitHub](#)

May 2025

- Spearheaded Symo-Sync, an AI-driven platform for illness prediction. It matches reported symptoms against a Kaggle dataset comprising 250+ diseases and 500+ symptoms, employing a 50% symptom match threshold to enhance diagnostic relevance.
- Integrated an AI-powered medical assistant using the Gemini API to provide real-time guidance on medications and conditions. This feature aims to bridge the gap between complex medical data and intuitive human understanding.
- Built a highly responsive, cross-platform experience with real-time analytics that transforms Symo-Sync into an accessible, AI-driven health awareness platform.

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

- Agile Methodologies (IBM)
- 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.