

# Suhani Singhania

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## EDUCATION

### Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Vellore, India

Aug. 2023 – May 2027

### Kendriya Vidyalaya

Senior Secondary (XII), CBSE

Kathmandu, Nepal

2021

## RELEVANT COURSEWORK

Data Structures · Algorithms · Database Management · Machine Learning · OOP · Software Engineering

## EXPERIENCE

### SentiAid

Web Development Intern

Remote

May 2025 – Jul. 2025

- Developed healthcare features using MongoDB, Express.js, and Node.js to improve data access speed by 25% for 50+ daily users
- Optimized API calls and database queries to reduce dashboard load time from 4s to 2.5s (38% improvement), enabling 20% increase in concurrent users

### RoverX VIT

Media & Finance Manager

Vellore, India

Apr. 2024 – Sep. 2024

- Managed sponsorship negotiations worth 10,000+, completing projects 10% under budget
- Coordinated cross-functional collaboration between 6 interdisciplinary teams and 30 members, achieving 100% on-time delivery for all project milestones and event deadlines

## PROJECTS

### Food Allergen Detection System | Python, PyTorch, Vision Transformer (ViT), React.js, REST API, JSON, HTML/CSS | [GitHub](#)

- Developed ML classification system to detect food allergens achieving 92% accuracy using Vision Transformer (ViT) models and React
- Trained and deployed deep learning models in Pytorch for food image classification
- Integrated allergen datasets to provide real-time allergen alerts based on detected food items.

### MindMate — Mental Wellness Companion | Python, Streamlit, SQLite | [GitHub](#)

- Built mental well-being app with mood tracking and journaling, reaching 25+ testers in 2 weeks with around 4.5/5 satisfaction rating
- Designed responsive Streamlit UI and optimized backend for 30% faster load times; implemented SQLite for persistent data storage
- Created automated mood pattern analysis to provide personalized insights based on 30-day tracking history with data visualization

### YASA TRADERS E-Commerce | HTML, CSS, JavaScript, Node.js | [Live](#)

- Developed full-stack e-commerce platform with secure authentication, shopping cart, and payment processing; achieved 95+ Lighthouse score
- Implemented responsive design using CSS Grid and Flexbox for optimal UX across devices, reducing product discovery time by 40%

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C, C++, SQL, HTML/CSS

**Frameworks & Libraries:** Node.js, Express.js, Streamlit, Scikit-learn, Pandas, NumPy

**Database & Cloud:** MongoDB, SQLite, AWS (EC2, S3, RDS, IAM, VPC, CloudFront)

**Developer Tools:** Git, GitHub, VS Code, Figma, Canva, Adobe Premiere Pro

**Core Concepts:** Data Structures, Algorithms, OOP, RESTful APIs, Database Design, Machine Learning

## LEADERSHIP & EXTRACURRICULAR

### IEEE Women in Engineering (WIE) VIT

Vellore, India

Outreach Lead

2024

- Led outreach campaigns increasing event registrations by 33% (120 to 160+ participants) across 5 technical workshops

### Hamari Pahchan NGO

India

Workshop Coordinator & Volunteer Director

2023 – 2024

- Coordinated 5+ workshops impacting 200+ members, improving awareness scores by 20%; directed 50+ volunteers in campaigns