

# Vansh Sharma

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[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

## Professional Summary

Motivated B.Tech CSE (AI/ML) undergraduate with a strong foundation in Full-Stack Development (MERN, Next.js) and Data Structures. Passionate about building scalable web applications, evidenced by hands-on projects like a robust Learning Management System. Proactive problem-solver with active leadership experience in technical communities, seeking opportunities to leverage development skills in a professional environment.

## Education

### **PES UNIVERSITY, BENGALURU**

**September 2024 - Present**

Bachelors in Technology in CSE (AI/ML)

Coursework: Data Structures, Algorithms, C Programming, Python, Mathematics for AI

### **CAMBRIDGE INTERNATIONAL SCHOOL, AMRITSAR**

**2022 - 2024**

High School Diploma

Completed Grade XII with Sciences and Mathematics

## Technical Skills

**Languages:** C, Python, JavaScript (ES6+), HTML5, CSS3

**Frameworks:** React.js, Next.js, Node.js, Express.js, Tailwind CSS, MongoDB

**Developer Tools:** Git, GitHub, Vercel, VS Code

**Core Concepts:** Data Structures and Algorithms, Object-Oriented Programming, RESTful APIs

## Projects

### **PORTFOLIO WEBSITE**

**Personal Project**

- Developed a fully responsive personal portfolio using React.js and Tailwind CSS, featuring dynamic component rendering to showcase technical projects and certifications effectively.
- Deployed the application on Vercel with continuous integration, achieving optimal load times and a 97 performance score on Google Lighthouse through asset optimization and mobile-first design.

### **NOVALEARN**

**Academic Project**

- Engineered a comprehensive Learning Management System using Next.js, Node.js, Express, and MongoDB, featuring role-based access for Instructors to author multi-chapter video courses and Students to enroll and track progress.
- Implemented a robust user dashboard with JWT authentication and a gamified experience including learner points and achievements, utilizing Tailwind CSS and Shadcn UI to deliver a responsive, accessible, and aesthetically modern interface.

### **HOSPITAL QUEUE MANAGEMENT SYSTEM**

**Personal Project**

- Built a scalable, real-time MERN stack Hospital Queue Management System validated via Apache JMeter to handle 500+ concurrent users with 16ms latency and 0% packet loss.

### **WEATHER FORECAST APPLICATION**

**Personal Project**

- Developed a real-time meteorological dashboard using Python and the OpenWeather API to fetch and display live temperature and humidity metrics for global locations.

## **Extra-Curricular Activities**

### **AIESEC IN BENGALURU**

Member in Organizing Committee - Recruitments

**November 2025 - February 2026**

### **NEXUS - AWS CHAMP CLUB**

Technical Member for the AIML domain at Nexus - AWS Champ Club

**November 2025 - Present**

### **MICROSOFT LEARN STUDENT AMBASSADORS, PESU**

Logistics Member for MLSA PESU.

**October 2025 - Present**

### **AIESEC IN BENGALURU**

Junior Manager for Outgoing Global Talent/Corporate Exchanges at AIESEC in Bengaluru.

**September 2025 - Present**

### **WEAL-ECC, A HEALTH-TECH CLUB AT PES UNIVERSITY**

Logistics and Operations Member for WEAL-ECC

**October 2024 - June 2025**

## **Certifications**

### **Microsoft Learn Student Ambassadors PES University**

Building with Azure Custom Vision

### **PESU IO**

Practical Web Security and Ethical Hacking

### **Udemy**

Certification in C Programming

### **HackerRank**

Python Basics Certification