

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.

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.

SANJEEVANI AI

Personal Project

- Built an AI-powered healthcare assistant using Next.js, Tailwind CSS, Python, and Flask to analyze medicine strips and decipher handwritten prescriptions via the Groq API.
- Integrated a secure user authentication system and edge-tts to provide translated, multilingual audio outputs of medical instructions, improving accessibility for elderly and visually impaired users.

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