

Neha Chavan

 Nehachavan03 |  Neha Chavan |  Portfolio |  nehachavan6002@gmail.com

SUMMARY

Computer Science undergraduate focused on Cloud Computing, Artificial Intelligence, and Machine Learning with experience building backend systems, full stack applications, and AI-based solutions. Interested in developing scalable software systems through practical projects, collaborative learning, and continuous technical exploration.

EXPERIENCE LEADERSHIP

Full Stack Developer Intern, Erfinden Technologies Pvt. Ltd. Jun 2026 - Present

- A Barter marketplace that connects users for secure product and service exchanges through smart matching, verified transactions, and trust-based interactions.

Management Sponsorship Head, AWS Student Builder Group - DESPU Feb 2026 - Present

- coordinated technical events, workshops, and community engagement activities.

Student Member, IEEE Feb 2025 - Feb 2026

- Volunteered at IEEE events, attended technical sessions, and participated in technical competitions.

ACHIEVEMENTS

- Secured **4th Rank** at the **Ignisia National-Level AI Hackathon** for developing **MindForge**, an AI-powered few-shot visual inspection system for manufacturing defect detection and quality analysis.

PROJECTS

TravelGenie Full Stack Travel Planning Platform

Developed a full stack travel itinerary planning platform that helps users organize trips by exploring countries, cities, and tourist destinations through a structured backend API system. Implemented itinerary generation, destination management, authentication, and scalable backend workflows for personalized trip planning.

Tech Stack: Node.js, Express.js, MySQL, JWT Authentication, BcryptJS, React (Vite), TypeScript, Tailwind CSS, Axios
[Live Demo](#)

AcadLink Academic Management System

Built a Python-based academic management platform integrating assignment tracking, attendance management, resource sharing, and student collaboration into a centralized system to improve academic workflow efficiency.

Tech Stack: Python, SQL

MindForge AI-Powered Quality Inspection Platform

Developed an AI-powered visual inspection platform for manufacturing defect analysis using computer vision techniques. Implemented anomaly detection using ResNet50 feature extraction and Mahalanobis distance-based analysis to identify defects and generate localized heatmaps. Integrated AI-generated inspection summaries and actionable quality reports for efficient analysis.

Tech Stack: Python, PyTorch, OpenCV, ResNet50, Grok API

EDUCATION

2024 - Present	B.Tech in Computer Science Engineering, DES Pune University	CGPA: 8.39
2024	Class XII	Percentage: 79.50%
2022	Class X	Percentage: 95.4%

SKILLS

Languages	Java, Python, SQL, C++
Frontend	HTML, CSS, JavaScript, React, Tailwind CSS
Backend	Node.js, FastAPI, REST APIs
Databases	MySQL, PostgreSQL
AI / ML	Machine Learning, Computer Vision, PyTorch
Tools	Git, GitHub, VS Code