

Nandini Modi

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering — CGPA: 8.28

Bhopal

2026

Jai Academy

CBSE (Class XII) — Percentage: 82%

Jhansi

2022

St. Francis' Convent Inter College

ICSE (Class X) — Percentage: 90%

Jhansi

2020

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, HTML, CSS

Frameworks: React, Node.js, Flask, Django, Spring Boot

Developer Tools: Git, VS Code, Visual Studio, IntelliJ, Eclipse

PROJECTS

GoPrep

github

AI for mock-interviews and feedback automation

- Created an AI-powered mock interview platform using React, TypeScript, and Vapi SDK for real-time voice interaction.
- Integrated Firebase Authentication and Firestore for secure user management and data handling.
- Designed intelligent workflows to generate personalized AI-driven feedback on interview performance.
- Applied modular TypeScript architecture for maintainable, scalable, and reusable components.
- Maintained clean development practices with structured workflows and efficient collaboration.

Ransomware Protection

github

Machine Learning for ransomware detection

- Built a machine learning-based ransomware detection system capable of identifying and blocking real-time threats.
- Automated backups with immutable storage for secure and rapid data recovery.
- Segmented networks using least-privilege principles to contain and mitigate attacks.
- Configured SIEM for real-time monitoring, alerting, and incident response.
- Developed Python scripts to detect suspicious file activity and automate security response.

Fashion Recommender System

github

Generates fashion outfit recommendations

- Developed an AI-driven recommender system that suggests visually similar outfits based on user-uploaded images.
- Implemented Convolutional Neural Networks (CNN) with ResNet50 transfer learning for feature extraction.
- Utilized Cosine Similarity and Nearest Neighbour algorithms to produce personalized outfit recommendations.
- Integrated a Streamlit-based user interface for intuitive interaction and real-time visualization.

CERTIFICATES

- Certified in HTML, CSS, and JavaScript for Web Developers – Johns Hopkins University (Coursera, Dec 2023).
- Awarded IBM DevOps Fundamentals Certificate – IBM Career Education Program (Apr 2025).
- Completed AWS Cloud Practitioner Essentials – Amazon Web Services (Coursera, Apr 2025).
- Achieved AWS Solutions Architect – Associate Certification Program – ETHNUS & AWS (Jan–Apr 2025).

POSITIONS OF RESPONSIBILITY

Core Member, AI Club – VIT Bhopal: Executed social media campaigns, curated AI content, and strengthened club branding.

Core Member, UX Club – VIT Bhopal: Led UX workshops and coordinated peer-learning sessions promoting design thinking.

Extra-Curricular: Cleared all university rounds in Smart India Hackathon 2024 (SIH-2024), demonstrating teamwork and innovation.