

Nancy Singh

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EDUCATION

Vellore Institute of Technology

Bachelor's of Technology - Computer Science and Engineering (AI & ML); **GPA: 8.05**

Aditya Birla Public School, Rehla (12th Standard)

CBSE: Percentile: 79.6

Aditya Birla Public School, Rehla (10th Standard)

CBSE: Percentile: 83.5

Bhopal, India

Aug 2022 - Aug 2026

Jharkhand, India

May 2021 - May 2022

Jharkhand, India

May 2019 - May 2020

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, SQL.

AI and ML: CNNs, Random Forest, SVM, Scikit-learn, TensorFlow

Tools & Frameworks: React.js, Node.js, HTML, CSS, MS PowerPoint, MS Word, Power BI, GitHub, Kubernetes

Core Concepts: Data Structures and Algorithm (DSA), Object Oriented Programming (OOPs), Operating System

PROJECTS

AI & ML in Healthcare Industry | Python, Scikit-learn, Random Forest, SVM (April 2024)

- Developed and deployed an AI-powered disease prediction system using machine learning algorithms (SVM, Random Forest) to analyze and classify user symptoms with 85% model accuracy.
- Integrated a chatbot application to deliver personalized remedies and improve user engagement and healthcare interaction.
- Contributed to front-end development and validated model accuracy through rigorous testing, improving prediction reliability.

Face Logix - Cutting Edge Facial Recognition Technology | Python, CNN, OpenCV (June 2025)

- Developed a deep learning-based biometric system using Convolutional Neural Networks (CNN) for face recognition, capable of identifying individuals with or without masks.
- Implemented real-time image capture & comparison against a face database using ML Algorithm with 90%+ accuracy.
- Designed the complete system architecture and pipeline, including dataset preparation, model training, and front-end integration.

FoodShare Connect | Node.js, Express, MongoDB, React, Machine Learning (December 2024)

- Developed FoodShare Connect, a comprehensive platform to reduce food waste and address hunger by enabling 100+ efficient food donations and distribution.
- Designed an intuitive interface allowing donors to easily contribute surplus food and help NGOs manage and distribute donations effectively, also architected scalable backend and APIs to manage streamline donation workflows.
- Implemented robust middleware for request validation and error handling, ensuring secure and reliable platform performance.

ACHIEVEMENTS

- Adobe India Hackathon Participation:** Created an AI-powered, voice activated safety application named **EveShield** specially for females. Led development of speech recognition systems and advancing model development.
- Coding Consistency:** Solved 300+ questions of Data Structures of algorithm in java on Leet Code, achieved '300 days Badge'.

CERTIFICATIONS AND INDUSTRIAL INTERNSHIPS

- Applied Machine Learning in Python - Coursera
- Gen AI using IBM Watsonx - IBM.
- AWS Solutions Architect - Associate Internship Program - AWS
- Gen AI Powered Data Analytics Job Simulation - Tata Forage