

Nancy Singh

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EDUCATION

Vellore Institute of Technology

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

India

2022 - 2026

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

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

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

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'.