

Nancy Singh

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EDUCATION

- **Vellore Institute of Technology** Bhopal, India
Bachelor of Technology - Computer Science and Engineering(AI and ML); GPA: 7.96 *Aug 2022 – Aug 2026*
- **Aditya Birla Public School, Rehla(12th Standard)** Jharkhand, India
CBSE: Percentile: 79.6 *May 2021 – May 2022*
- **Aditya Birla Public School, Rehla(10th Standard)** Jharkhand, India
CBSE: Percentile: 83.5 *May 2019 – May 2020*

SKILLS

- **Languages:** Python, JavaScript, Java, SQL
- **Platforms:** Linux, Windows
- **Tools and Frameworks:** html, CSS, Microsoft PowerPoint, Microsoft word, React, Node.js

PROJECTS

- **AIML IN Healthcare Industry:** This project is based on artificial intelligence and machine learning. Many ML models are used in this project including supportvector machines and random forest. The main aim of the project is to leverage AI to create a system that can detect diseases based on symptoms provided by the users. The project uses the chatbot which provides the remedy to any disease. I contributed as a front-end developer for the app and tested the accuracy of models through machine learning algorithms.
- **Face Logix: Cutting Edge Facial Recognition Technology:** This project is based on deep learning and specifically on Convolutional Neural Network(CNN). It represents a sophisticated biometric system that identifies or verifies a person's identity(with or without mask) by analyzing facial features. It captures an image of a person's face and compares it against a stored database of faces using advanced algorithms. In this project I was responsible for managing the front-end, module design and architecture of the idea.
- **FoodShare Connect:** FoodShare Connect website is an all-encompassing platform aimed at addressing food waste and hunger by facilitating efficient food donation an distribution. This website tackles this vital problem by offering an intuitive interface that enables donors to effortlessly give surplus food while helping NGOs effectively handle and distribute these contributions. My contribution in the project is architecting efficient server-side frameworks to manage inventory APIs and streamline backend operations. Additionally, I implemented robust middleware for error handling and request validation to ensure secure and reliable performance.

CERTIFICATION AND INDUSTRIAL INTERNSHIP

- **Applied Machine Learning in Python, Coursera:** Acquired practical experience in applying machine learning algorithms using Python and scikit-learn library, learned preprocessing of data, including handling missing vaues and feature scaling
- **Data Visualisation: Empowering Business with Effective Insights, Tata Forage:** Gained hands-on experience in transforming raw data into meaningful visual insights for business decision-making, learned how to select appropriate charts and graphs to effectively communicate complex data to stakeholders.
- **Vityarthi Python Essentials MATLAB Onramp and Simulink Onramp, MathWorks :** Understood the fundamental concepts of privacy and security challenges in online social media platforms, learned about common threats like data breaches, identity theft, and cyber-attacks targeting social media users.
- **Privacy and Security in Online Social Media NPTEL :** Gained a solid foundation in Python programming, including data types, control structures, functions, and file handling.
- **AWS Solutions Architect - Associate Internship Program:** Gained hands-on experience in designing, deploying, and optimizing secure, scalable cloud architectures on AWS
- **GEN AI Using IBM Watsonx:** Acquired practical skills in building, deploying, and managing generative AI models and solutions on the IBM Watsonx platform.

OTHERS

- * **Hobbies:** : Sports, Reading(Fiction and Non- Fiction), Travelling, Adventure, Dancing.
- * **Languages:** : Hindi, Bhojpuri(Native), English