NILAY PANDYA

nilaypandya2004@gmail.com | +91-8080119374 | Github-Repository | LinkedIn-Profile | Portfolio-Website

Education

Vidyalankar Institute of Technology, India **2022 - 2026**
- INFORMATION TECHNOLOGY | CGPA: **8.33**

Lokmanya Junior College, India **2021 - 2022**
- (Class XII), Percentage :76

ST PETER'S HIGH SCHOOL, India **2019 - 2020**
- (Class X), Percentage:84

Technical skills

Languages & Tools: C, C++, Java, Python, JavaScript, SQL, HTML, CSS, PHP

Frameworks & Libraries: React, MERN Stack, Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, Keras

Technologies: Machine Learning, Deep Learning, NLP, Data Analysis, MongoDB, Apache, Streamlit

Other: DSA (Data Structures & Algorithms), Git, Version Control, REST APIs

Work Experience

Suvidha Foundation | ML Research Intern Link **1 April 2025 – 30 May**

- Conducted extensive literature review of 70+ research papers to identify gaps and define a novel ML problem. Developed and evaluated custom machine learning models, outperforming existing methods.

ARTISTIVE MEDIA | Software Development Intern Link **26 May – 30 June**

- At Artistive Media, I have worked remotely contributed to both front-end and back-end development of a creative website for the organization, ensuring high-quality design, responsiveness, and overall functionality.

Projects

Project 1: MitraMart – Hyperlocal Kirana Tech Platform Link **July 2025 – Present**

- Currently building a MERN-based platform to connect Kirana stores with customers through slot-based ordering, real-time product listings, store-managed deliveries, integrated payments, and automated commission tracking.

Project 2: MediScan AI – Multi-Disease Prediction Link **Dec 2024 – March 2025**

- Developed a Flask-based ML web app for early detection of multiple diseases (diabetes, heart, liver, etc.) using ensemble models with 95%+ accuracy, featuring dynamic patient input and real-time diagnosis report generation.

Project 3: Krishi Link **July 2024 – Oct 2024**

- Built a Streamlit-based platform integrating real-time weather data for smart farming; achieved 99.55% accuracy in crop recommendation (Random Forest) and 98.5% accuracy in plant disease detection (CNN) using 70K+ images. Onboarded 25+ farmers in the first month.

Project 4: DSA Visualizer Pro Link **Dec 2023 – March 2023**

- Built a web app using HTML, CSS, and JavaScript to visually demonstrate data structures and algorithms with animated flow, dark/light mode, and enhanced UI/UX for better learning engagement.

Certification

C-DAC certified course Data Analysis and Visualization using python: Link

- Gained hands-on experience with Python libraries such as Pandas, NumPy, Matplotlib, and Seaborn for data cleaning, analysis, and visualization.

Complete Data Science, Machine Learning, DL, NLP Bootcamp: Link

- Certified in "Complete Data Science, Machine Learning, Deep Learning, and NLP Bootcamp" (99 hours) by Udemy – covered end-to-end ML, DL, and NLP techniques using real-world projects.