SANIYA SAMANT

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Education

Vishwakarma Institute Of Information Technology **NOV. 2022 – Jul 2026**

B.Tech in Computer Engineering, CGPA: ***8.83*** *Pune, Maharashtra*

New English School and Junior college Kasal **Mar 2020 – Apr 2022**

HSC: 87% *Sindhudurg,Maharshtra*

S.L.Desai Vidyalay ,Pat

SSC: 98.8

Technical Skills

Languages: Java, C, C++, Python, HTML, CSS, JavaScript
Database: MySQL
Course Subjects: Data Structures and Algorithms, Object-oriented programming, Operation System,Computer Networks
Developer Tools: VS Code, Eclipse,Google Colab,Github,Jupyter Notebook
Coding Profiles: Leetcode HackerRank

Projects

Handwritten Digit Recognizer with Decision Tree (Kaggle Dataset) | Python, Scikit-learn, Matplotlib

- Built a handwritten digit recognizer using the Decision Tree algorithm and the Kaggle digit dataset, performing data preprocessing and feature scaling to improve the model's performance.
- Improved model accuracy by applying hyperparameter optimization techniques (Grid Search, Randomized Search) to find the best parameters, including maximum depth, minimum samples split, and criterion for splitting nodes.
- Visualized sample handwritten digits using Matplotlib and displayed their predicted labels to demonstrate model performance.

Credit Card Fraud Detection with Logistic Regression (Kaggle Dataset) | Python, Scikit-learn, Streamlit

- Develo Developed a machine learning model to detect fraudulent credit card transactions using the Kaggle credit card fraud dataset, applying data preprocessing techniques to handle imbalanced data and improve model accuracy.
- Implemented **Logistic Regression** using the Scikit-learn library for binary classification to distinguish between legitimate and fraudulent transactions.
- Created an interactive web application using **Streamlit**, allowing users to input transaction data and receive real-time predictions on whether the transaction is fraudulent or not.

Scientific Calculator with GUI | Visual studio, C++

- Built a functional scientific calculator using Visual Studio's GUI builder to design the interface, creating buttons, labels, and input fields for arithmetic, trigonometric, and logarithmic functions.
- Programmed each button with specific logic to perform accurate calculations for a wide range of mathematical operations.

Tkinter-Based Periodic Table GUI | ***Python, Tkinter***

- Developed a comprehensive periodic table interface using Python's Tkinter library, creating an interactive and educational tool.
-Allow users to view key details such as atomic number, symbol, atomic mass, and element category

Certification

An Introduction To AI (NPTEL Course)

Programming Fundamentals using Python Part 1 & 2 (Springboard Infosys course)

Programming Using Java (Springboard Infosys course)