SHAMBHAVI PANDEY

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TECHNICAL SKILLS

Programming Languages: Python, C++, MySQL
Tech Skills: Tensorflow, Scikit-Learn, Deep Learning, Machine Learning, Qlik sense, PowerBI
Certifications/ Courses: Applied Machine learning in Python (Feb.2023)

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY   Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science Engineering with Specialization in AIML   Aug.2021 – May.2025
CGPA: 8.72/10

Blossom Senior Secondary School   Gorakhpur, U.P
Class XII   Jun.2019 - July.2020
Percentage: 77.60%

Blossom Senior Secondary School   Gorakhpur, U.P
Class X   Jun.2017 - May.2018
Percentage: 79.20%

PROJECTS

KRUSHI SAATHI GitHub   Jan.2024 - Apr.2024
- Designed an agricultural web app with five models each attaining **90+ accuracy** for crop disease prediction (**96%**), soil type identification (**97%**), fertilizer recommendations (**99%**), soil fertility analysis (**99%**), and crop price prediction (**0.02 MSE**).
- Leveraged Seaborn, Matplotlib, JavaScript, and Chart.js for data visualization, facilitating intuitive analysis of price trends for 24 crop varieties to support informed decision-making.
- **Tech Stack:** HTML, CSS, JavaScript, Python, Flask, TensorFlow, Scikit-learn, Seaborn.

CUSTOMER REVIEW ANALYSER GitHub   Nov.2023 - Feb.2024
- Created a sentiment analysis web app using web-scraped data with 960,049 data points, achieving **93.75% accuracy** with data encoded using (Universal Sentence Encoder), deployed on AWS.
- Conducted comparative analysis of **11 models**, optimizing and tuning to identify the most efficient model. Achieved performance ranging from **72% (lowest) to 83% (highest)** in machine learning models.
- **Tech Stack:** Python, Scikit-Learn, Tensorflow, Beautifulsoup, Streamlit, Pandas, NLTK, Numpy.

EXTERNSHIP

SMARTINTERNZ.
BUSINESS ANALYTICS Extern   May.2024 - Jun.2024
- Leveraged Qlik data visualization tool to develop interactive dashboards and storytelling sheets; enhanced data interpretation efficiency by 40% and improved decision-making speed by 35%.
- Analyzed synthetic Road Safety and Accident in India data using **Qlik Sense**, focusing on safety of the people.
- Implemented robust preprocessing techniques, including data cleaning, resulting in accelerated data processing by 50%.

SMARTINTERNZ.
AIML Extern   Aug.2023 - Nov.2023
- Developed a web application using **Long Short Term Memory Models** to speculate hearing test outcomes with **97% accuracy**.
- Mastered **Agile methodologies** for flexible development from ideation to deployment. Collaborated effectively in a 4-person team
- Gained a deep understanding of AI/ML principles by leveraging TensorFlow, scikit-learn, and Transformers leading to the creation of models that has success rate of **90%**.
- **Tech Stack:** Python (Scikit-Learn, TensorFlow, pandas, NumPy, Matplotlib), Flask (HTML, CSS) , Mural, Canva.

RESPONSIBILITIES AND ADDITIONAL INFORMATION

Responsibilities
- Core Member, VIT BHOPAL Android Club (Event and Management team)   Jun.2023 - May.2024
- Coordinated an event for Nature and Trekking Club on environment day.   5th June 2023

Coding: Leetcode – Global Rank – 223,762, GFG – 425 (Institution Rank)
Languages: English (Fluent), Hindi (Native)