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Dombivali Maharashtra
Github

NITESH CHOUDHARY

Key Skills

Programming Languages: Python, C

Data Analysis: Pandas, NumPy, SciPy

Machine Learning: TensorFlow, SkiKit-learn

Data Visualization: Matplotlib, Seaborn ,Power BI

Database Management: PostgreSQL

Others: Git, Jupyter Notebooks, MLflow, Langchain

Education

Expected in 05/2025

Master:
Computer Application

Amity University Mumbai
Panvel, Maharashtra
GPA:8.37

05/2025

Bachelor of Science:
Computer Science

Keraleeya Samajam Model College
Dombivali, Maharashtra
GPA:9.33

Certification

Microsoft Power BI Desktop, For Business Intelligence

Summary

Machine learning enthusiast in the final year of post-graduation with expertise in Python, SQL, and C. Skilled in developing machine learning models using TensorFlow and Scikit-learn, with strong proficiency in data analysis and visualization using Pandas, NumPy, Power BI, Matplotlib, and Seaborn. Experienced with PostgreSQL for database management and familiar with tools like Git, Jupyter Notebooks, MLflow, and Langchain.

Projects

Food Vision Project:

- Developed a computer vision model to classify101 different types of foods using deep learning techniques.
- The model leverages transfer learning EfficientNet architecture, achieving high-accuracy in food classification tasks.
- **Tools and Technologies:** Python, TensorFlow,Transfer Learning, Streamlit, TensorBoard.

SkimLit Project:

- Developed an NLP model to classify sentences in PubMed medical abstracts, inspired by the PubMed 200k paper.
- The model helps researchers quickly identify relevant information in medical literature using techniques like bidirectional LSTM and attention mechanisms.
- **Tools and Technologies:** Python, TensorFlow,Scikit-learn, Streamlit, Git.

QueryMaster:

- Developed an LLM-powered assistant using Google Gemini 1.5 for student queries, document analysis, and academic research, integrating PubMed and Arxiv APIs along with a memory-based layer for improved response accuracy.
- Built an adapter layer for diverse query types, implemented a real-time document analysis UI with Streamlit, and integrated SerpAPI, Google Custom Search, and PyMuPDF for efficient we and PDF querying.
- **Tools and Technologies:** Python, Streamlit, Google Generative AI (Gemini-1.5-flash), LangChain, PubMed API, SerpAPI, PDF Processing (PyMuPDF), API Integration, NLP