Vishal L V

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ABOUT ME

I am a passionate and goal-driven student currently pursuing a degree in Artificial Intelligence and Data Science, with a strong foundation in programming, mathematics, and statistical reasoning. I am particularly enthusiastic about Machine Learning and its ability to solve real-world problems through data-driven insights..

EDUCATION

Sri Shakthi Institute of Engineering and Technology   2022 – 2026
B. Tech - Artificial Intelligence & Data Science   Coimbatore, India
CGPA - 8.66

SMBM National Public School   Dindigul, India
SSLC - 88.8
HSC - 89.6

SKILLS

Data Science Tools
PowerBi, PostgreSQL, Tableau & Excel.

Programming Skills
Python & SQL

Machine Learning & AI
Supervised & Unsupervised Learning, NLP , LLMs , RAG,Langchain

Soft Skills
Problem Solving, Collaborative & Teamwork

PROJECTS

Sentiment Analysis Model
Built a sentiment classification tool that analyzes customer reviews to determine sentiment polarity (positive, negative, or neutral). This helped extract valuable insights into user satisfaction and feedback trends for better business decision-making
Tech Stack: Textblob, Python, NumPy, Matplotlib & Pandas

Heart Disease Prediction
This project aims to develop a predictive model that can accurately assess an individual's risk of heart disease using machine learning techniques. By analyzing patient health data—such as age, blood pressure, cholesterol levels, chest pain type, and other clinical attributes.
Tech Stack : Python,Pandas,Numpy,Scikit-learn

QueryFlux
QueryFlux is an AI-powered PDF question-answering system that allows users to upload one or more documents and ask natural language questions to retrieve relevant answers.
Tech Stack : Python, PyMuPDF, Sentence-Transformers, scikit-learn, Retrieval-Augmented Generation (RAG)

Meta Ads Creative Analysis
Built an end-to-end analysis pipeline to study fitness brand advertisements from the Meta Ads Library. Collected raw ad data, designed a standardized schema to handle dynamic creatives, performed automated and manual tagging, and used LLM-based analysis to compare creative strategies and extract actionable marketing insights.
Tech Stack: Python, JSON, Meta Ads Library, Rule-based Tagging, Prompt Engineering, LLMs, GitHub, Markdown

AREAS OF INTEREST

Data Analytics | Data Visualization | Machine Learning

CERTIFICATES

- Data Analytics - Unstop (2024)
- Data Science - IBM (2024)