Vrushali Y Wani

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GitHub
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SUMMARY

Results-driven Data Scientist with expertise in data analysis, machine learning, deep learning, and automation. Proficient in Python, SQL, and visualization tools like Tableau and Power BI, with a proven track record of building predictive models and AI-driven insights. Skilled at transforming complex data into actionable solutions to drive strategic decisions in dynamic environments.

EDUCATION

- **Data Science & AI Certification**
  INTTRVU.AI
  2024

- **Post-Graduation**
  MSC Chemistry
  Pune University
  2020-2022

- **Graduation**
  BSC Chemistry
  Pune University
  2017-2020

SKILLS

- **Programming Languages** - Python, SQL
- **Machine Learning Libraries** - Scikit-learn, XG Boost, Keras ,Lang chain, Sklearn , Shap , Lime, Gensim
- **Deep Learning & AI Expertise** - CNN, LSTM, Word2Vec, Traditional Neural Network
- **NLP (Natural Language Processing)** – Data cleaning, Sentiment analysis, Text classification
- **Generative AI** - Large Language Models (LLMs), Lang chain, RAG
- **Data Visualization** - Tableau, Power BI, Matplotlib, Seaborn

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PROJECTS

1. Heart Disease Prediction

Predicting if its heart disease or not. Datasetconsisted of 3.19 million records having information such as Heart Disease, Physical Health, Mental Health, Kidney Disease, Skin Cancer, Age Category, Sex etc.
Used XG Boost Classifier Model which would classify person having heart disease yes or no.
Created a Batch Job for predicting live dat

2. Electric Motor Temperature Prediction

Predicting the permanent magnet temperature (‘pm’) of the motor. Dataset consisted of 1.33 million records having information such as voltages, current, motor speed and ambient temperature etc.
Built a Regression Model using Random Forest along with feature importance for presentations.Created a Batch Job for predicting live data

3. Chatbot - Generative AI

It answers questions related to financial & operational risk guidelines provided by RBI. UsedRAG as it provides relevant information in the formof a prompt to LLM.
Used Lang chain as it provides tools & abstraction to improve customization, accuracy & relevancy.
Created an API & a Front-End Chatbot that would be interactive. We can ask questions to it and it would beproviding prompt responses

4. Clustering: Ne Delhi Reviews

This data consists of review data and ratings given by the customers on trip advisor. By using review full text column from the data to cluster the reviews to identify top themes of positive and negative reviews given by the customers.