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Omkar Gupta

Junior Data Scientist



Portfolio: [--.com](#)



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Objective

Passionate and driven data science enthusiast with a strong foundation in machine learning, statistical modeling, and data analysis. Committed to unraveling hidden patterns and insights within complex datasets, I aim to leverage cutting-edge techniques and innovative approaches to drive data-powered decisions. Seeking a challenging role to apply my skills in machine learning, statistical modeling, and data visualization to contribute to the evolving landscape of data science

TECHNICAL SKILLS

Scripting Languages : Python , R, SQL, Java, HTML, CSS, JavaScript

Tools (Data Visualization): Power Bi, Tableau, MS Excel

Machine Learning: Classification, Regression, Clustering, Neural Networks, Decision Tree

Web Framework : Streamlit, Flask, Langchain

NLP : Sentiment analysis, Text Normalization(Stemming, Lemmatization), Word Cloud

Libraries : Pandas, Numpy, Matplotlib, Plotly, Scikit Learn, OpenCV

KEY PROJECTS

1) Project Name: [Prompt Database for Retail Industries](#)

Tools: Streamlit (UI), Google Palm LLM model (LLM), Hugging Face (Embeddings), Langchain (Framework)

Description: Developed an intuitive database system allowing data retrieval via natural language prompts, eliminating the need for SQL commands. Retail database system enabling SQL-free data retrieval using natural language prompts. Integrated advanced NLP techniques with Streamlit UI, Google Palm LLM model, Hugging Face embeddings, and Langchain framework, simplifying retail data processing for diverse application.

2) Project Name: [Analytical News Tool](#)

Tools: Streamlit (UI), Langchain, Google Generative AI.

Description: The project aims to create a streamlined tool using Streamlit, Langchain, and Google Generative AI to facilitate efficient analysis of news articles. This tool allows users to input article URLs, process text, and obtain answers to queries, thereby simplifying article exploration and aiding in question-answering. Potential improvements focus on enhancing user interface, validation, and scalability for better performance.

3) Project Name: [WhatsApp Chat Analyzer](#)

Tools: Streamlit (UI), Matplotlib, NLP, WordCloud

Description : Proficient in utilizing Python to analyze WhatsApp conversations. Capable of structuring unorganized data into comprehensible formats, performing sentiment analysis, and extracting meaningful insights from discussions. Skilled in data manipulation techniques using libraries such as pandas, TextBlob, etc. Adept at transforming raw chat data into valuable, actionable information.

4) Project Name: [Bangalore House Price Prediction](#)

Description: Created a tool resembling Magic bricks to predict house prices across Bangalore. Cleaned and processed Bangalore house price data, including tasks like data cleaning, feature creation, categorical data conversion, outlier detection,

and model application with Linear Regression for accurate price predictions.

- Data Processing: Data cleaning, feature engineering, one-hot encoding, and outlier detection.
- Model: Applied Linear Regression for price prediction.
- User Interface: Developed an intuitive interface using Streamlit for easy user interaction.

EDUCATION

SSC (Secondary School Certificate) Year: 2018, Percentage: 71%	HSC (Higher Secondary Certificate) Year: 2020, Percentage: C3%	Current Education 3rd Year, CGPA: 3.00
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CERIFICATION

• Data Analytics and Visualization Virtual Experience -	Accenture
• Advanced Prompt Engineering in ChatGPT -	Upgrade
• NLP (Natural Language Processing) from	Upgrade
• Advanced Excel -	Kes Collage
• Data Analytics using Excel -	Kes Collage
• Building Language Models on AWS	AWS
• Machine Learning -	Udemy

CERIFICATION

- Photography
- Cooking
- Traveling
- Gym, fitness