SYED ALI FAIZAN

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https://alitheanalyst01.github.io/portfolioweb.github.io/
Islamabad (PWD Society)

Objective

Innovative and results-driven Generative AI Engineer with a strong background in machine learning, natural language processing, and AI-driven applications. Eager to leverage my expertise in generative models to build cutting-edge solutions and drive technological advancements.

Skills

Generative AI: OpenAI API, LangChain, GPT, DALL-E, ChatGPT
Machine Learning: Regression, Classification, Scikit-Learn, Model Deployment
Deep Learning: TensorFlow, Keras, PyTorch, Computer Vision, NLP
Data Analysis: Python, SQL, Data Cleaning, Data Wrangling
Data Visualization: Tableau, Seaborn, PowerBI, Matplotlib
Cloud Services: AWS, Microsoft Azure
Prompt Engineering: Crafting and optimizing prompts for AI models

Projects

MCQ Generator Based on Subject Text App

Personal Project – Lahore, June 2024

- Developed an innovative application using LangChain and OpenAI API to generate multiple-choice questions (MCQs) based on input text.
- Implemented features allowing users to input text, specify the number of MCQs, set the tone of the questions, and select the output format.
- Utilized prompt engineering to ensure the generated MCQs were contextually accurate and aligned with the input material.
- Created a user-friendly interface to facilitate seamless interaction and enhance user experience.
- Conducted extensive testing to validate the accuracy and relevance of the generated MCQs, iterating on the design to improve performance.

Hospital Chatbot

Project for Students' Exhibition at Arfa Karim – Lahore, April 2024

- Created an intelligent chatbot using GPT-3 to assist patients with scheduling, information retrieval, and symptom checking for a students' exhibition.

-        Integrated the chatbot with a mock hospital database to provide real-time updates and personalized responses.
-        Utilized prompt engineering techniques to improve the accuracy and relevance of the bot's responses.

AI-Powered Content Generator
Personal Project – Lahore, March 2024
-        Designed an AI system to generate creative content, including articles, poetry, and marketing copy, using GPT-3.
-        Built a user-friendly interface to allow non-technical users to generate content effortlessly. - Conducted user testing and iterated on the prompt designs to enhance user satisfaction and output quality.

Data Science Job Market Analysis
Personal Project – Lahore, April 2023
- Utilized Python to analyze 7000 data science job listings, identifying key skills and requirements.
- Aggregated and visualized data using pandas and matplotlib, compiling a professional report.
- Provided actionable insights for aspiring data scientists to improve their job prospects.

News Article Writing App
Client Project – Lahore, October 2022
Developed a Python-based application using OpenAI API to generate news articles. The app scrapes relevant news from online sources based on user-specified topics and generates coherent, well-structured articles. Integrated web scraping and natural language processing to enhance content quality and relevance.

Work Experience

1- Data Scientist & Analyst
Dev Valley Software House – July 2022 - September 2023
-        Accomplished data scientist with expertise in translating complex datasets into actionable insights.
-        Proficient in data processing, statistical analysis, machine learning, and data visualization. - Designed and implemented end-to-end data pipelines, conducted thorough exploratory analysis, and developed business models.
-        Committed to driving data-driven decision-making and enabling businesses to thrive by uncovering hidden insights.

2- AI Instructor

Arfa Karim Technology Park – Lahore, December 2023 - October 2024

- Instructed students on the fundamentals and advanced topics in artificial intelligence and machine learning.
- Developed and delivered engaging curriculum covering AI principles, coding, and practical applications.
- Guided students in hands-on projects involving AI, fostering their problem-solving skills and technical understanding.
- Facilitated workshops and seminars to promote AI education and awareness within the community.

3- Data Scientist :

PLC Group Islamabad – October 2024 – Present
Collaborated with the Data Engineering team on ETL processes for large-scale telecommunication data. Focused on forecasting and predicting telecom energy consumption and site failure using PySpark, MLlib, and cloud technologies. Developed advanced analytics solutions to optimize performance and ensure reliability of telecom operations.

Education

MS Data Science
Riphah International University – Lahore, June 2023
Majors: Business Analytics, Operations and Machine Learning, Deep Learning, Big Data Analytics

BS Mathematics
University of Okara – Okara, 2016-2020
Majors: Linear Algebra, Statistics, Calculus