

ADEEL NAEEM

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Summary

AI and Analytics graduate with experience in building real-time AI agents, chatbots, and data-driven applications using Python, Streamlit, and LangChain. Skilled in NLP, computer vision, and API integration, with a strong passion for solving real-world problems through Generative AI.

Projects

ForexAgent | Python, Streamlit, Gemini API, ExchangeRate API Model: gemini-1.5-flash.

- Designed a real-time currency conversion agent using Gemini and ExchangeRate APIs
- Utilized the gemini-1.5-flash model for fast and accurate currency-related query handling
- Built a responsive UI with Streamlit featuring right-aligned user queries and left-aligned agent responses
- Emphasized clean UX with real-time, reliable exchange rate data

YouTube Chatbot | Python, LangChain, Gemini API, Streamlit Model: gemini-1.5-pro.

- Implemented a chatbot capable of answering questions based on YouTube video transcripts
- Leveraged the gemini-1.5-pro model with LangChain to enable retrieval-augmented generation (RAG).
- Indexed transcripts for context-aware and relevant response generation.
- Delivered through an interactive and intuitive Streamlit-based chat interface

AskSphere Chatbot | Python, Hugging Face Transformers, Wikipedia API, Streamlit Model: Flan-T5.

- Developed a question-answering chatbot that combines Wikipedia search with a Generative QA model
- Used the Wikipedia API to fetch real-time context based on user queries.
- Leveraged the Flan-T5 model from Hugging Face to generate natural language answers from retrieved content
- Designed with a clean Streamlit interface to ensure smooth and engaging user interaction

Skills Summary

Technical Skills

Programming Languages : Python , C++ , Java , Basic SQL

Frameworks & Libraries: Tensorflow, Scikit-Learn, Pandas ,Matplotlib , Keras , Seaborn ,LLM(Langchain).

API : OpenAI ,Gemini , Claude ,Wikipedia, Exchange-Rate

Tools: VS Code ,Jupyter Notebook , IntelliJ IDEA , DevC++ , Google Colab

Domains : Data Science, Data Analysis, Machine/Deep Learning, Data Visualization , Generative AI

Soft Skills

Teamwork, Communication, Organization, Problem Solving

Certifications

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| SQL (Basic) Certificate — HackerRank Link . | Issued July 2025 |
| Generative AI Certificate — Analytics Vidhya Link . | Issued July 2025 |

Education

National University of Modern Languages

Bachelor of Artificial Intelligence

2022 - Present

Islamabad, Pakistan

Punjab Group of Collages

F. Sc Pre-Engineering with Grade 'A'

2020 - 2022

Rawalpindi, Pakistan