KANTESH WER DHANANI

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Summary

Backend Developer experienced in API integration, scalability, and performance optimization with hands-on experience in GenAI, LLMs, FastAPI, and Django REST Framework. A continuous learner with the passion to learn, grow, and contribute to the community. I'm seeking a Backend Development opportunity to utilize my technical skills and contribute to innovative solutions in a dynamic environment.

Work Experience

CorTechSols | Backend Developer   **October 2024 - Present**
- Collaborating with QA and QAE, front-end developers and project managers to create and deliver web solutions.
- Implemented coding standards and documentation processes to improve team efficiency and quality of MVP.
- Developed APIs with authenticated endpoints using **Django**, **DRF** and **JWT**.
- Developed Python Automation projects using **Selenium**, **LangChain** and **Email** libraries**.**

CircleAI | Generative AI Developer **| GenAI Team Intern**   **June 2024 - August 2024**
- Collaborated with a team of talented people to develop and fine-tune the **RAG model.**
- Implemented **Data Wrangling techniques** to optimize model performance, contributing to high-quality outputs.
- Worked with the team to implement **Guardrails** and **Redis** architecture.

Freelance | AI Object Recognition System
- Created an **AI based Object Recognition** system in Python with 96% accuracy using a predefined list of objects.
- Achieving **real-time detection** across various media, including Images, GIFs, videos and live camera feeds.
- Delivered a **custom solution** tailored to the client's specific needs.

Education

Shaheed Zulfiqar Ali Bhutto Institute of Science & Technology - (SZABIST)   **September 2020 - May 2024**
- *Bachelors of Science in Computer Science*   *CGPA:**3.16***

Skills

Python, FastAPI, Flask, Django/DRF, LangChain, Guardrails, SQL, PostgreSQL, ChromaDB, NumPy, Pandas, matplotlib,

Seaborn, scikit-learn, BeautifulSoup, Poetry, HTML5, CSS3, Git, DSA, OOPs, SMTP, Pillow, IMAP, Manim.

Projects

Podverse — AI GPT-based Podcast Interaction System developed using LangChain, Python, and Chainlit
- Utilized **AWS S3 Bucket** to store and retrieve the podcast scripts and vector databases.
- Created a Vector Store using **LangChain** document splitters and **ChromaDB** to create embeddings.
- Built an AI-powered podcast chatbot using **LangChain** for podcast summarization, discussion, and clarification
- Monitored working of the **Chatbot** using and the successes and failures using **LangSmith.**
- Reduced user query response times and enhanced user engagement through real-time chat integration with **Chainlit.**

Data Scraper — Automated Web Scraper developed using Selenium, bs4, multi-threading, DRF.
- Developed and integrated scalable web scraping tool using **Selenium, BeautifulSoup and Django RestFramework**.
- Achieving reliable and 50% faster data extraction by implementing **multi-threading** and **rotating proxy** systems.
- Applied selective web scraping techniques for efficient and complete **data retrieval** of specified information fields**.**

Email Assistant Chatbot — A chatbot email service using IMAPlib, SMTP, Gemini and Streamlit
- Developed a UI interface for receiving and sending emails using **Streamlit**.
- Retrieved and sent user emails using **IMAPlib** and **SMTP,** generating emails from **Gemini** based on user thoughts.
- Implemented **Guardrails** to improve the responses by Gemini.

Certificates

- **CircleAI -** Generative AI Developer Internship Certificate: drive.google.com/circleai-internship-certificate
- **LangChain with Python Bootcamp** - Udemy: udemy.com/langchain-bootcamp-with-python
- **Python Bootcamp with Pierian Training** – Udemy**:** udemy.com/python-bootcamp-pierian-training

Interests

- **Technology. Fitness. Food. Chess. Nutrition. Reading. Music. Philosophy**