Muhammad Shoaib

Karachi, Sindh, Pakistan · mdshoaibhabib@gmail.com · +92 3462270502 · in/muhammad-shoaib-068816231

github.com/callmesheebygithub?tab=repositories

SUMMARY

AI Engineer with expertise in designing and implementing AI-driven solutions, including real-time transcription, natural language understanding, and predictive analytics. Proficient in Python, Django, and IBM services, with experience in building end-to-end applications such as chatbots, weather apps, and AI assistants for industries like healthcare and finance. Skilled in data analysis, workflow automation, and optimizing machine learning models to enhance decision-making and operational efficiency.

SKILLS

- **Programming Fundamentals**: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA).
- **Python Libraries**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, NLTK, Transformers (Hugging Face pipeline).
- **AI Development**: Hugging Face model fine-tuning, LangChain.
- **Web Development**: Django, HTML, CSS.
- **Automation Tools**: Selenium, Beautiful Soup.
- **Databases**: Vector Databases (ChromaDB, Pinecone), MySQL, MongoDB.
- **API Development**: FastAPI.
- **Version Control**: Git, GitHub.
- **Cloud Services**: AWS.

EDUCATION

Bachelor Science of Software Engineering | UBIT-University of Karachi | 2024

CERTIFICATIONS

Supervised Machine Learning: Regression and Classification | Coursera | 2022

EXPERIENCE

Lead AI Engineer | Pure AI Lab | Part-Time (Hybrid) Karachi | December 2024 - Present

Data Science Engineer | Arcana Info | February 2024 - Present

Data Science | Internsavy | July 2023 - August 2023

PROJECTS

QNA with PDF (RAG-Based)
- Implemented a Retrieval-Augmented Generation (RAG) system with methods for document loading, text splitting, embedding generation, and vector store querying. Designed a Streamlit interface for PDF file uploads and processed user queries using the `ollama_model`.

Financial News Sentiment Analysis
- Developed an end-to-end application using a Kaggle financial news dataset. Preprocessed and visualized data with Python, fine-tuned the `mrm8488/distilroberta-finetuned-financial-news-sentiment-analysis` model from Hugging Face using PyTorch, and integrated it with Django, HTML, and CSS for a complete web solution.

Movies Recommendation System NLP and ML Model

Admission Prediction ML Model

Diabetes Predication ML Model