

Fahira Hameed

McKinney, TX | 7328774895 | abdulfahi@gmail.com | <https://www.linkedin.com/in/fahira-hameed-55a6182b0/>
<https://fahiramaricar.github.io/portfolio/>

Summary

Experienced in AI tool development, specializing in large language models for streamlined product development. Possessing a strong NLP background that enhances prompt engineering and traceability. Skilled in market research, data analysis, and test case development, with excellent communication abilities for effective collaboration.

Skills

Programming languages: SQL, Python, R, Javascript, C++, Java, HTML, CSS

Tools: PowerBI, Tableau, Excel Charts, Microsoft Powerpoint, Microsoft Visual Studio, AI Libraries & Frameworks

Database: MySQL, SQLite, Microsoft SQL Server, Vector Database

Additional Tools: Github, Dagshub, Google Colab, Jupyter Notebook, Google Cloud Platform

Experience

Artificial Intelligence Engineer : RadicalAI

Mar'24-Present

- Implemented an AI Teaching Assistant using OpenAI and Google Gemini to automate educational tasks such as lesson planning, content creation, and assessment management, enhancing support for educators.
- Developed an AI tool with LangChain libraries, Google Gemini, Vertex AI, and Streamlit to automate quiz generation from multiple document types, improving quiz creation efficiency by 80% through semantic content extraction and Chroma collections.
- Developed an educational app using AI for text summarization, generating flashcards from YouTube transcripts.

Data Analyst : Omdena

Jan'24 - Mar'24

- Conducted an extensive analysis of the relationship between social media usage and mental health outcomes by developing a chatbot leveraging the Mistral LLM with a RAG-based approach, aimed at detecting depression and anxiety.
- Led global data collection efforts, ensuring privacy and integrity, while utilizing Natural Language Toolkit (NLTK) in Python for preprocessing and employing the BERT model to perform sentiment analysis.
- Leveraged machine learning algorithms, specifically XGBoost classifier model for text classification, achieving 93% accuracy in predicting mental health conditions, enhancing chatbot precision.

Projects

HR Data Analysis for ATLIQ Technologies

Nov'23-Jan'24

- Automated the work of HR creating visualizations by extracting meaningful insights and trends, utilizing a real dataset from ATLIQ Technologies.
- Analyzed on various parameters to give a proper insights and trends into the requirements mentioned by HR using power query editor and DAX expressions.
- Created a powerful dynamic powerBI dashboard for the HR to analyze the working preference of the employees increasing efficiency by 50%.

TATA Data Visualization: Empowering Business with Effective Insights

Sep'23-Nov'23

- Performed data cleaning using Excel and developed a dashboard using Tableau, gathering requirements for TATA Consultancy Services, monitoring, maintaining growth and engagement metrics facilitating effective decision-making for senior leadership.
- Developed new data exports according to identified business needs and requirements, leading to 30% improvement in data-driven insights generated from these exports.

Education

Avvaiyar Government College for Women

- Bachelor's Degree - Computer Science

Certifications

- Google Data Analytics
- SQL Essential Training
- NLP with Python for Machine Learning Essential Training
- Market Research Remote Externship