FATHIMA SHAMILA MEERASA SALEEM

fathimashamilams@gmail.com | 904-910-7362 | Dallas,Tx
fathimashamila.github.io/fathimasaleem.github.io/

PROFILE

AI Engineer and Certified Data Analyst with experience in building intelligent, data-driven solutions using large language models (LLMs) ,generative AI and data science. Dedicated to leveraging AI technologies to develop innovative products and deliver measurable business value.

TECHNICAL SKILLS

AI & ML Frameworks: Llama-Index, Gradio, scikit-learn, Hugging Face,Docling | **Programming & Scripting**: Python, SQL, C, JavaScript, HTML/CSS | **Data Analysis & Visualization**: Google Colab, Jupyter Notebook,Tableau | **Databases & Tools**: SQLite, MySQL, PostgreSQL, MS Visual Studio, GitHub

EXPERIENCE

AMPCOME   JUL 2025 — PRESENT
Backend AI Engineer

Worked on an asynchronous task processing system in Python integrated with PostgreSQL, OpenAI, and external APIs including Google, Reddit, and SerpAPI.

Diagnosed pipeline issues involving retry logic, rate limiting, and concurrent processing. Gained hands-on exposure to OAuth2 authentication, AI-powered workflows built on CrewAI and LangChain, and real-time monitoring via Logfire in a live production environment.

EXTERN   OCT 2025 — DEC 2025

Advanced AI-Powered Document Insights and Data Extraction Externship:

Developed a RAG-powered document Q&A chatbot using LlamaIndex for intelligent information retrieval.

Integrated vector stores, Gemini, and open-source LLMs (*Phi-2, Mistral 7B, TinyLlama*) to benchmark performance and efficiency.

Tested and refined embedding models, prompts, and retrieval workflows to enhance RAG chatbot performance and improve response reliability.

CERTIFICATIONS

Google Advanced Data Analytics

EDUCATION

B.Tech — INFORMATION TECHNOLOGY, St.Joseph's College of Engineering.