

Chammami Yahya

Data Analyst - ML/AI Engineer

+216 46291123 | Chammemiyahia@gmail.com | [Linkedin](#) | [GitHub](#)

SUMMARY

Dynamic and solution-oriented Data Scientist with a robust background in statistics and machine learning. Experienced in building predictive models, orchestrating RAG flow systems, and developing LLM-based solutions. Skilled in Python, TensorFlow, and Power BI, with a passion for AI-driven insights and automation.

EDUCATION

Engineering Degree in Statistics and Information Analysis. <i>Higher School of Statistics and Information Analysis Tunis, ESSAI</i>	Ariana, Tunisia Aug. 2020 – May. 2025
Pre-Engineering Cycle, Mathematics and Physics. <i>Preparatory Institute for Engineering Studies Bizerte, IPEIB</i>	Bizerte, Tunisia Sep. 2020 – Jun. 2022

EXPERIENCE

AI Engineer, Intern <i>Oratio</i>	Jun. 2024 – Sep. 2024 Tunis, Tunisia
<ul style="list-style-type: none">Developed a RAG Inference pipeline using Ollama and FastAPI to generate response from Documents.Participated in code architecture and production deployment with Git, Docker and Azure AI Services.Used Sentence-Transformers embeddings and Qdrant vector database for document indexing and storage.Evaluated the performance of the Rag system and Llama2 model with Ragas framework (Context relevancy, Context recall, Faithfulness, Answer relevancy).	
Data Scientist, Intern <i>Bridges S.A</i>	Jul. 2023 – Aug. 2023 Tunis, Tunisia
<ul style="list-style-type: none">Developed a Web application for scoring and fraud detection using Python and Machine Learning algorithms.Automated the analysis of medical insurance data for 4,000+ doctors and 2,200+ pharmacists.Designed a user-friendly graphic interface with Dash and Plotly for real-time insurance recovery tracking.	

PROJECTS

LLM-Based Chatbot <i>Python, Flan-T5, LoRA, SFTTrainer, LangChain</i>
<ul style="list-style-type: none">Preprocessed and cleaned over 3.000 rows of data using Pandas and Regex to ensure accurate data input.Fine tuned a Flan-T5 model using Low-Rank-Adaptation (LoRA) to enhance performance of Q&A system.Evaluated the model to mesure the relevance of generated responses of the LLM using Blue score metrics.
Time Series Forecasting - Energy Consumption <i>SARIMA, SARIMAX, Prophet, RNN, CNN</i>
<ul style="list-style-type: none">Cleaned and preprocessed data and visualize Energy Consumption patterns over time.Engineered a benchmarking framework to evaluate statistical models against deep learning models over time.Created a feature importance analysis to understand which variables have the most impact on forecasting enhancing model interpretability.
Sales Insights Analytics Dashboard <i>Python, HuggingFace, Streamlit</i>
<ul style="list-style-type: none">Designed a PowerBI Dashboard to understand company hardware goods sales trend.Maintained SQL queries to analyze user behavior and engagement metrics, enhancing user satisfaction.Created DAX functions to create visualizations and KPIs that highlighted key business trends and patterns.

TECHNICAL SKILLS

Language: Python, SQL, R.

Developer Tools: Git, Docker, Flask, FastAPI.

Concepts: Machine Learning, Generative AI, RAG, Time Series, Applied Mathematics.

Soft Skills: Problem-Solving, Writing, Public Speaking, Leadership, Agile methodology.

CERTIFICATIONS

DataCamp Professional Data Scientist - DataCamp
IBM Data Science Professional Certificate - DataCamp
Deep Learning Specialization - Machine Learning Specialization - Coursera
Building RAG Agents with LLMs - NVIDIA