



Othman SAMIH

Second-year Master's Student in Data Science at IA School

Lyon, France | Currently seeking a work-study internship |

Available for a full-time internship starting in June



☎ (+33) 6 87 16 49 93 | ✉ Mothmansamih001@gmail.com | 🐙 [Github](#) | in [Linkedin](#) | 📁 [My Portfolio](#)

Education

IA School	2024 - 2025	Lyon, France
Master's degree in Data Science (Specialization in AI & Management)		
HASSAN II University, Higher Normal School of Technical Education, ENSET	2022 - 2024	Mohammedia, Morocco
Master's degree in Artificial Intelligence and Distributed Systems		
HASSAN I University, Faculty of Sciences and Technologies, FST	2019 - 2022	Settat, Morocco
Bachelor's degree in Mathematics and Computer Science		
Abdelkhalek Torres Baccalaureate's degree in Mathematical Sciences	2018 - 2019	Casablanca, Morocco

Skills

Programming languages Python, Java, C, PHP, SQL, JavaScript

Machine learning Experience with various machine learning and deep learning models and frameworks

Technologies NumPy, Pandas, Seaborn, Matplotlib, Plotly, Scikit-Learn, TensorFlow, OpenCV, Docker, FastAPI, Uvicorn, Pydantic, Selenium, Streamlit, Langchain, Hugging Face, Gradio, Ultralytics, ImageHash, PyTube, imgaug, Groq, Duckduckgo, Langsmith, Gradio, CrewAI, Exa, mlxtend, Pinecone, Chroma, Unstructured, Render, etc...

Professional projects

Agents Powered Newsletter [🔗](#) Lyon, France
Dec. 2024

PERSONAL PROJECT

This project provides a streamlined solution for generating personalized newsletters by automating research, editing, and formatting tasks. The system is powered by a modular architecture, including tools for gathering content, editing, and assembling newsletters into a polished HTML format. A user-friendly GUI built with Streamlit allows users to interact seamlessly with the system.

- Python, CrewAI, Streamlit, Render, Exa, Docker

RAG-Enhanced Chatbot [🔗](#) Lyon, France
Nov. 2024

PERSONAL PROJECT

A sophisticated Retrieval-Augmented Generation (RAG) chatbot designed for interactive, document-based conversations. This project leverages embeddings, vector databases, and an AI-based summarizer to provide accurate and context-aware responses.

- Python, Gradio, Langchain, Langsmith, Pypdf, OpenAI, Chroma

Coffee Shop Customer Service Chatbot [🔗](#) Lyon, France
Oct. 2024 - Nov. 2024

PERSONAL PROJECT

Developed an AI-powered chatbot for a coffee shop app using LLMs and NLP to handle orders, answer menu queries, and provide personalized recommendations. The system features a modular agent-based architecture with agents for order taking, menu details, and recommendations, along with a guard to filter irrelevant queries.

- Python, Scikit-Learn, Pandas, Pinecone, OpenAI, mlxtend, Runpod

Road Risk Detection Casablanca, Morocco
[Capgemini Engineering](#)
Mar. 2024 - Jul. 2024

END OF STUDIES PROJECT (Master's degree)

This project focuses on developing a system to detect speed bumps and potholes from vehicle-mounted cameras in real-time. Additionally, it estimates the distance to these hazards, providing crucial information for driver awareness and safety.

- Python, Numpy, Pandas, Yt-dlp, OpenCV, Ultralytics, ImgAug, SORT, CVAT, MakeSense

Certifications

- Supervised Machine Learning: Regression and Classification [🔗](#)
- Advanced Learning Algorithms [🔗](#)
- Unsupervised Learning, Recommenders, Reinforcement Learning [🔗](#)
- Machine Learning Specialization [🔗](#)
- Machine Learning A-Z™: Python & R in Data Science [2023] [🔗](#)
- Natural Language Processing with Classification and Vector Space [🔗](#)
- Neural Networks and Deep Learning [🔗](#)
- Improving Deep Neural Networks [🔗](#)
- Structuring Machine Learning Projects [🔗](#)
- Convolutional Neural Networks [🔗](#)
- Sequence Models [🔗](#)
- Deep Learning Specialization [🔗](#)

Languages

English: Advanced

French: Advanced

Arabic: Native