



Othman SAMIH



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

Lyon, France | Seeking a work-study internship

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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

Professional projects

Road risk detection Casablanca, Morocco
END OF STUDIES PROJECT (Master's degree) Capgemini Engineering
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. By leveraging computer vision techniques, the system aims to enhance road safety by alerting drivers to potential risks on the road ahead. Mar. 2024 - Jul. 2024

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

Real-Time UK license plate detection and recognition Mohammedia, Morocco
PERSONAL PROJECT Oct. 2023

I developed a real-time system capable of detecting UK license plates within images and video streams, while also extracting and reading the alphanumeric content in real time. The project integrates advanced computer vision and machine learning techniques to achieve accurate and instantaneous recognition of UK license plates, showcasing proficiency in real-time object detection and optical character recognition (OCR).

- Python, YOLOv8, SORT, EasyOCR

Moroccan law chatbot Mohammedia, Morocco
END OF YEAR PROJECT (Master's degree) Jul. 2023 - Aug. 2023

I developed a Moroccan law chatbot using the Langchain framework, which allows users to ask questions about Moroccan law and receive informative and comprehensive answers, including business formation, taxation, and divorce. The chatbot is able to access and process information from a cloud-based dataset of Moroccan law documents.

- Python, Tesseract, Langchain, Pinecone

Creation of an E-commerce website for the sale of organic and natural products in Morocco FST Settat, Morocco
Apr. 2022 - Jun. 2022

END OF STUDIES PROJECT (Bachelor's degree)
The objective of this project is the design and creation of an E-commerce website for the sale of organic and natural products in order to present our organic products on a website available to everyone, to carry out commercial transactions, to facilitate the tasks of consulting our catalog, and new products.

- HTML, CSS, JS, PHP, SQL

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

Arabic: Native

English: Advanced [🔗](#)

French: Advanced