



Othman SAMIH

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

Lyon, France

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Education

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

Professional projects

Road risk detection END OF YEAR PROJECT (Master's degree) <i>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.</i> <ul style="list-style-type: none">Python, Numpy, Pandas, Yt-dlp, OpenCV, Ultralytics, ImgAug, SORT, CVAT, MakeSense	Casablanca, Morocco Capgemini Engineering Mar 2024 - July 2024
Real-Time UK license plate detection and recognition PERSONAL PROJECT <i>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).</i> <ul style="list-style-type: none">Python, YOLOv8, SORT, EasyOCR	Mohammedia, Morocco Oct 2023
Moroccan law chatbot END OF YEAR PROJECT (Master's degree) <i>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.</i> <ul style="list-style-type: none">Python, Tesseract, Langchain, Pinecone	Mohammedia, Morocco Jul 2023 - Aug 2023
Creation of an E-commerce web site for the sale of organic and natural products in Morocco END OF STUDIES PROJECT (Bachelor's degree) <i>The objective of this project is the design and creation of an e-commerce site 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.</i> <ul style="list-style-type: none">HTML, CSS, JS, PHP, SQL	FST Settat, Morocco Apr 2022 - Jun 2022

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