



Othman SAMIH

Master's Student in Artificial Intelligence and Distributed Systems at ENSET

Casablanca, Morocco

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Education

HASSAN II University, Higher Normal School of Technical Education, ENSET 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 Bacalaureate's degree in Mathematics sciences	2018 - 2019	Casablanca, Morocco

Skills

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

Technologies NumPy, Pandas, Seaborn, Matplotlib, Plotly, Scikit-Learn, Docker, OpenCV, TensorFlow, Yolov8

Machine learning Variety of machine learning models

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>	Casablanca, Morocco Capgemini Engineering Mar 2023 - now
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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>	Mohammedia, Morocco Oct 2023 - Nov 2023
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- Python, Yolov8, SORT, EasyOCR

Moroccan law chatbot END OF YEAR PROJECT (Master's degree) <i>I developed a Moroccan law chatbot using the Langchain framework and OpenAI model, 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>	Mohammedia, Morocco 3D Smart Factory Jul 2023 - Aug 2023
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- Python, Langchain, Pinecone

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>	Settat, Morocco FST Settat Apr 2022 - Jun 2022
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- HTML, CSS, JS, PHP, SQL

Certifications

- Machine Learning Specialization [↗](#)
- Machine Learning A-Z™: Python & R in Data Science [2023] [↗](#)
- Neural Networks and Deep Learning [↗](#)
- Improving Deep Neural Networks [↗](#)
- Structuring Machine Learning Projects [↗](#)
- Convolutional Neural Networks [↗](#)
- Sequence Models [↗](#)

Languages

Arabic: Native

English: Advanced

French: Advanced