Othman SAMIH

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

Mohammedia, Morocco

📞 (+212) 682284369 | ✉ othmansamih001@gmail.com ☑ | othmansamih ☑ | 🔗 Linkedin ☑ | ✉ MyPortfolio ☑

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 Baccalaureate'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, OpenCV, TensorFlow, Yolov8
Machine learning   Variety of machine learning models

Professional projects

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 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.

• Python, Langchain, Pinecone

Object detection and tracking system   *Mohammedia, Morocco*
PERSONAL **PROJECT**   *Sep 2023*

I developed and implemented an object detection and tracking system using YOLOv8, utilizing a custom dataset focused on persons. By fine-tuning the pretrained model, I successfully enhanced its accuracy and efficiency in real-time object recognition and tracking, showcasing my expertise in computer vision and machine learning.

• Python, Yolov8, Deep sort

Creation of an E-commerce web site for the sale of organic and natural products in Morocco   *FST, Settat, Morocco*
END OF STUDIES PROJECT (Bachelor's degree)   *Apr 2022 - Jun 2022*

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.

• 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