

OUNI MOHAMED AMINE

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ARTIFICIAL INTELLIGENCE ENGINEER

A 5th-year student in Artificial Intelligence and Data Science at EPI Digital School, with a strong interest in computer vision and natural language processing. With a solid foundation in machine learning and deep learning, gained through academic and personal projects, I am driven by the goal of creating innovative solutions to address real-world challenges. My objective is to contribute to ambitious projects while strengthening my technical and analytical skills.

SKILLS

- **Programming Languages:** Python, R, java.
 - **Big Data and Cloud:** Hadoop, MongoDB, Spark, AWS, Azure.
 - **AI Frameworks and Tools :** TensorFlow, PyTorch, YOLO, OpenCV, NLTK, Scikit-learn, RAG.
 - **Data Visualization:** Power BI , Matplotlib.
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PROFESSIONAL EXPERIENCE

LOGO SYSTEM CONSULTING SAHLOUL
intern

June 2024 - July 2024

I developed an intelligent system to manage a restaurant, using Python, face recognition, YOLO, Streamlit, and MySQL. The restaurant's cameras were used to collect images for two tasks:

- Automated attendance management with a facial recognition model.
- Detected pizza ingredients using YOLO and optimized model performance.
- Designed an interactive user interface with Streamlit to visualize data in real time.

This project was carried out independently.

PROJETS PERSONNELS

AI Data Structuring

Septembre 2023

- **Project Objective:** Extract specific information from images of individuals, such as eye color, gender, age prediction, presence of makeup, tattoo identification, and sentiment analysis (happy or sad).
- **Methodology:** Developed a set of convolutional neural network (CNN) models aiming for at least 70% accuracy. Created a user-friendly web interface to facilitate interaction with the model.
- **Training and Evaluation:** Trained the CNN model on Google Colab with data storage on Google Drive.

Review Analysis

May 2023 - June 2023

Customer Review Classification using Spark on Amazon Product Reviews Data:

- Preprocessed textual data to ensure quality and relevance.
- Classified sentiments using machine learning models.
- Visualized results and analyzed trends to extract actionable insights.

Intrusion Detection Based on Transformers

March 2024

- Developed a network intrusion detection system using Transformer models.
- Trained the model on Microsoft Azure using the CIC-IDS 2018 dataset.
- The goal was to identify whether a connection is secure and, in case of a threat, determine the type of attack (DDoS, bruteforce, ...)

EDUCATION

Institut Supérieur d'Informatique et des Mathématiques de Monastir

2022

Bachelor's in Applied Mathematics

EPI Digital School Sousse

2025

Engineering in AI & Data Science

CERTIFICAT

Azure Fundamentals

Microsoft • January 2024

AWS Academy Cloud Foundations

AWS • January 2024

Prompt Design in Vertex AI

Google • October 2024