

# Manal Essalmouni | AI Engineer & Data Scientist

Kenitra, Morocco

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Portfolio: [manalessalmouni.github.io/essalmouniman](https://manalessalmouni.github.io/essalmouniman)

## Education

Center of Excellence in Automotive & Aeronautics, Faculty of Sciences <i>Master of Excellence in Artificial Intelligence &amp; IoT (AI Track)</i> In progress	Kenitra, Morocco 2024–2026
Center of Excellence in Automotive & Aeronautics, Faculty of Sciences <i>Bachelor of Excellence in Artificial Intelligence &amp; Data Engineering</i>	Kenitra, Morocco 2023–2024
Higher School of Technology (EST) <i>University Diploma of Technology (DUT) in AI &amp; Emerging Technologies</i>	Meknes, Morocco 2021–2023
Ibn Zohr High School <i>Baccalaureate in Physical Sciences</i> Honors: Very Good	Quezzane, Morocco 2020–2021

## Professional Experience

EMS Maroc <i>Machine Learning &amp; Computer Vision Intern</i>	Kenitra, Morocco July–Sep 2025
○ Built and cleaned datasets; handled annotation, preprocessing, and augmentation for a CV pipeline. ○ Developed real-time license plate detection and text extraction using YOLO + OCR. ○ Created a web demo (live stream + image upload) with clear result visualization.	
Omniconsulting <i>Artificial Intelligence Intern</i>	Remote July–Aug 2025
○ Built a web app to match CVs with PFE internship descriptions automatically. ○ Added relevance scoring and candidate ranking to support HR pre-screening.	
Faculty of Sciences, Kenitra (Factory Space / UIT) <i>AI Research Intern</i>	Kenitra, Morocco July and Sep 2024
○ Prepared medical datasets and preprocessed MRI images for model training. ○ Developed SymptoBot, a diagnostic support system using symptoms and medical imaging.	
ONEE <i>Final-Year Intern</i>	Meknes, Morocco Apr–May 2023
○ Built tools for wastewater treatment system sizing. ○ Trained predictive models to assess water potability using physico-chemical data.	
Agro Juice Processing (Valencia) <i>Introductory Intern</i>	Meknes, Morocco Jul 2022
○ Developed a stock management web app to track inventory and product movements.	

## Technical Skills

<b>AI &amp; Data:</b> Machine Learning, Deep Learning, Computer Vision, Data Analysis, Data Visualization, Image Processing
<b>Programming:</b> Python, Java, C, C++, SQL/MySQL
<b>Web:</b> Flask, PHP, JavaScript, HTML5, CSS3
<b>Tools:</b> TensorFlow, Keras, scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Git, Linux
<b>Languages:</b> Arabic (Native), English (Fluent), French (Intermediate)

## Certifications

<b>Data Scientist Associate — DataCamp</b> <a href="https://datacamp.com/certificate/DSA0016943389264">datacamp.com/certificate/DSA0016943389264</a>
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