

Manal Essalmouni | AI Engineer & Data Scientist

Kenitra, Morocco

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Portfolio: manalessalmouni.github.io/essalmounimanal

Education

Center of Excellence in Automotive & Aeronautics, Faculty of Sciences <i>Master of Excellence in Artificial Intelligence & 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 & Data Engineering</i>	Kenitra, Morocco 2023–2024
Higher School of Technology (EST) <i>University Diploma of Technology (DUT) in AI & Emerging Technologies</i>	Meknes, Morocco 2021–2023
Ibn Zoher High School <i>Baccalaureate in Physical Sciences</i> Honors: Very Good	Ouezzane, Morocco 2020–2021

Professional Experience

EMS Maroc <i>Machine Learning & Computer Vision Intern</i> ○ 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.	Kenitra, Morocco July–Sep 2025
Omniconsulting <i>Artificial Intelligence Intern</i> ○ Built a web app to match CVs with PFE internship descriptions automatically. ○ Added relevance scoring and candidate ranking to support HR pre-screening.	Remote July–Aug 2025
Faculty of Sciences, Kenitra (Factory Space / UIT) <i>AI Research Intern</i> ○ Prepared medical datasets and preprocessed MRI images for model training. ○ Developed <i>SymptoBot</i> , a diagnostic support system using symptoms and medical imaging.	Kenitra, Morocco July and Sep 2024
ONEE <i>Final-Year Intern</i> ○ Built tools for wastewater treatment system sizing. ○ Trained predictive models to assess water potability using physico-chemical data.	Meknes, Morocco Apr–May 2023
Agro Juice Processing (Valencia) <i>Introductory Intern</i> ○ Developed a stock management web app to track inventory and product movements.	Meknes, Morocco Jul 2022

Technical Skills

AI & Data: Machine Learning, Deep Learning, Computer Vision, Data Analysis, Data Visualization, Image Processing

Programming: Python, Java, C, C++, SQL/MySQL

Web: Flask, PHP, JavaScript, HTML5, CSS3

Tools: TensorFlow, Keras, scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Git, Linux

Languages: Arabic (Native), English (Fluent), French (Intermediate)

Certifications

Data Scientist Associate — DataCamp
datacamp.com/certificate/DSA0016943389264