

Manal Essalmouni | AI Engineer & Data Scientist

Kenitra, Morocco

📞 +212 6 15 87 74 24 • ✉️ manalessalmouni@gmail.com • **in** [manal-essalmouni](#)

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> <ul style="list-style-type: none">○ Built and prepared the dataset (collection, cleaning, annotation), then applied preprocessing and image augmentation for a complete Computer Vision pipeline.○ Implemented a YOLO + OCR pipeline for real-time detection and automatic extraction of Moroccan license plates and phone numbers.○ Developed a web inference demo (live stream / upload) with clear result visualization.	Kenitra, Morocco Jul–Sep 2025
Omniconsulting <i>Artificial Intelligence Intern</i> <ul style="list-style-type: none">○ Developed an AI-powered web app to automatically compare multiple CVs against a PFE internship description.○ Implemented relevance scoring and candidate ranking to support HR pre-screening.	Remote Jul–Aug 2025
Faculty of Sciences, Kenitra <i>AI Research Intern</i> <ul style="list-style-type: none">○ Prepared and structured medical datasets; cleaned and preprocessed MRI images for AI model training.○ Developed <i>SymptoBot</i>, an AI-based diagnostic support system using symptoms and medical imaging.	Kenitra, Morocco Jul & Sep 2024
ONEE <i>Final-Year Intern</i> <ul style="list-style-type: none">○ Built tools for wastewater treatment system sizing.○ Trained predictive models to assess water potability using physico-chemical data.	Meknes, Morocco Apr–Jul 2023
Agro Juice Processing (Valencia) <i>Introductory Intern</i> <ul style="list-style-type: none">○ 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