



Mahassen Drira


Software Engineering Student

 mahassendrira2003@gmail.com

 +216 93 125 188

 Sfax, Tunisia

 Mahassen Drira

 GitHub Portfolio

 Personal Website

Profile

Ambitious Software Engineering student specializing in Artificial Intelligence and Data Science, with a growing foundation in machine learning, data analysis, and intelligent systems. Passionate about transforming data into meaningful insights through Python-based tools and emerging AI techniques. Continuously expanding my technical skills and eager to apply them to real-world AI challenges through innovative, research-driven projects.

Education

Software Engineering Degree – Artificial Intelligence Specialization <i>International Institute of Technology (IIT), Sfax</i>	2023 – Present
Preparatory Cycle for Engineering Studies – Physics & Chemistry (PC) <i>Faculty of Sciences, Sfax (FSS)</i>	2021 – 2023
Baccalaureate in Experimental Sciences <i>Mahmoud Megdich High School</i>	2020 – 2021

Technical Skills

Programming Languages Python • Java • JavaScript • C++ • C • C#	Artificial Intelligence & Machine Learning Machine Learning • Deep Learning • Neural Networks • Computer Vision • Natural Language Processing • Predictive Modeling • Data Mining
Data Science & Analytics Data Preprocessing • Feature Engineering • Model Evaluation Exploratory Data Analysis (EDA) • Statistical Analysis • Data Visualization Libraries & Tools: Jupyter Notebook • Matplotlib • Seaborn • Power BI	Frameworks & Libraries Scikit-learn • TensorFlow • Keras (Learning) • OpenCV • YOLOv8 (Object Detection) • PyTorch (Learning) • Pandas • NumPy
Databases MySQL • Oracle • SQL • SQLite	AI Tools & Platforms Git • GitHub • GitLab • Google Colab

Projects

SmartALPR – Tunisian ALPR with RAG-LLM Compliance Engine <i>Computer Vision & Generative AI Project</i> <ul style="list-style-type: none">Real-time Tunisian plate validation with OCR & RAG-LLM, FastAPI backend, React UI, video streaming, chatbot.	10/2025 – Present
Building Insurance Claims Prediction Model <i>Machine Learning Team Project Python, Scikit-learn, Pandas</i> <ul style="list-style-type: none">Developed a machine learning model to predict insurance claims based on 12 structural and location features, optimized and evaluated with performance metrics.	12/2024 – 02/2025
Trash Intelligent – Smart Recycling Machine <i>AI & Computer Vision Team Project Python, OpenCV, AI</i> <ul style="list-style-type: none">Built an AI system for real-time waste detection and classification using Python, OpenCV, and machine learning.	10/2021 – 05/2022

Professional Experience

Data Analyst Intern <i>Bakchich</i> <ul style="list-style-type: none">Automated user behavior tracking via event structuring in MySQLBuilt interactive Power BI dashboards for business insights	07/2025 – 08/2025 Lac 2, Tunis
Full-Stack Development Intern <i>Freedom Of Dev Service</i> <ul style="list-style-type: none">Developed responsive web & mobile UIs (Angular + Flutter) with RESTful API integration (Laravel).Contributed to agile workflows (Scrum), code reviews, and debugging.	03/2025 – 06/2025 Sfax, Tunisia

Languages

Arabic Native	English C1	French B1	Spanish A2
-------------------------	----------------------	---------------------	----------------------

Certificates

Information Technology Specialist – Python Certiport	Scrum Fundamentals Certified (SFC) SCRUMstudy
--	---

Extracurricular & Leadership

First Skills Club <i>Python & AI Coach</i>	2025 – Present Sfax, Tunisia
Scouts Tunisia- Sadeka <i>Tech Trainer</i>	2024 – Present
AIESEC in Tunisia- Sfax Local Committee <i>Incoming Global Volunteer Vice President 26.27</i>	2024 – Present Sfax, Tunisia