

Otman Mouhib

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PROFESSIONAL SUMMARY

Computer Engineering student with a strong background in real-time systems, embedded IoT, and AI development. Skilled in designing and deploying data-driven and embedded solutions for practical problems. Passionate about creating efficient, scalable systems with hands-on experience in both academic research and industrial projects.

EDUCATION

Université Privée de Fès, Morocco

Engineering Cycle in Software Engineering – 2022–2025

Preparatory Cycle – 2020–2022

PROFESSIONAL EXPERIENCE

Research Intern – LS2N, Nantes, France (2025)

- Conducted research on memory interference in multicore architectures.
- Developed AI-driven solutions to improve temporal predictability in real-time systems.
- Collaborated with system and hardware researchers in a high-performance computing context.

Consulting Expert – UPF Robotics Club, Fès, Morocco (2024)

- Advised on embedded system design and robotics software development.
- Guided student teams through innovative problem-solving in real-time control.

IoT Developer Intern – Atlantic Dunes, Tangier, Morocco (2024)

- Designed an IoT aquaponics system using ESP32 and a custom server.
- Developed a monitoring dashboard with real-time sensor data integration.

AI Automation Intern – Nokia, Salé, Morocco (2024)

- Built an AI-based system to extract purchase order data from unstructured PDFs/images.
- Used OCR, NLP, and web scraping integrated into a web interface with database storage.

Hackathon Participant – PrivacyGuard, Nokia (Remote, 2024)

- Worked on anonymization of sensitive data in LLM inputs using named entity recognition.

Startup Co-Founder – KBIDA Project, UPF (2024)

- Co-led a startup for medical image assistance, winning Jury's Favorite Award.
- Pitched to investors including Tamwilkom, InovInvest, and Incobooster.

AI Engineer Intern – Welyne, Tunis, Tunisia (2023)

- Developed and optimized a CLI app for automated computer vision model training.

Embedded Systems Developer – Atlantic Dunes, Tangier (2022)

- Built an intelligent irrigation system using long-range radio communication.

Team SPARKY – AUROBAT Robotics Competition, Ifrane (2021)

- Led programming and design for an autonomous robot; won 1st place nationally.

SKILLS & TECHNOLOGIES

Programming: Python, C++, JavaScript, Bash

Frameworks/Tools: Streamlit, Power BI, Azure ML Studio, MATLAB

Machine Learning: Random Forest, LSTM, KNN, data preprocessing, model pipelines

IoT & Embedded: ESP32, MQTT, Sensor Management, Web Dashboards

Cloud & DevOps: AWS VPC, Azure DevOps, Git

Data: MongoDB, OCR, NER, NLP

Soft Skills: Agile, team collaboration, problem-solving, technical documentation

CERTIFICATIONS

- Power BI – Data Preparation & Dashboards
- Blockchain Basics
- MongoDB Basics
- Data Analysis with Python
- Streamlit & Python – ML Web Applications
- Azure ML Pipelines
- AWS VPC Fundamentals
- Azure DevOps Boards

LANGUAGES & OTHER

Languages: Arabic (native), English (fluent), French (fluent)

Driving License: Type B