Mariem Ouertani

Computer Networks , telecommunication & Software Engineering Student

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in www.linkedin.com/in/ mariem-ouertani-2a1b592a4   ○ https://github.com/mariemouertani104

🔗 https://meriemouertani.vercel.app/

EDUCATION

Computer Networks and Telecommunication Engineering, *INSAT* 🔗	09/2025 – Present | Tunis, Tunisia
Integrated Preparatory Cycle, *INSAT* 🔗	09/2023 – 05/2025 | Tunis, Tunisia
With Honors, ranked 3th out of 86.	

PROFESSIONAL EXPERIENCE

RPA Developer, SAP Consultant (Internship), *Iliade Consulting* 🔗   07/2025 – 08/2025 | Lac1, Tunisie
•Designed and developed an invoice automation robot in SAP IS-U using UiPath.
•Applied artificial intelligence and computer vision techniques to optimize interactions with the SAP interface.
•Project analysis and management.

Customer and Service Representative, *ATB Bank*   07/2024 – 07/2024 | Tunis, Tunisia
•Gained a deeper understanding of banking operations and customer service.

PROJECTS

Cybersecurity Audit & Mobile Traffic Analysis (Android), *Academic project* 🔗   09/2025 – 12/2025
- **Expertise:** Conducted an in-depth study of network traffic monitoring and application metadata exposure.
- **Key Achievement:** Performed traffic auditing and packet capture using **Wireshark/TShark** to identify vulnerabilities in modern protocols (**QUIC, TLS 1.3, MQTT**).
- **Impact:** Defined security countermeasures and **Privacy by Design** recommendations to protect user data.

Smart Agri-Sensor: IoT & Edge AI Solution, *Academic project* 🔗   11/2025 – 12/2025
- **Expertise:** Designed an end-to-end IoT solution for precision irrigation and environmental monitoring.
- **Key Achievement:** Implemented **Edge AI** (Rule-Based Logic) on an ESP32 microcontroller for autonomous crop status classification.
- **Stack:** C++, MQTT Protocol (EMQX), Node-RED Dashboard, and low-power optimization (Deep Sleep).

Supply Chain Optimization Dashboard (Operations Research), *Academic projet* 🔗   10/2025 – 12/2025
- **Expertise:** Translated complex industrial constraints into profitable strategic decisions.
- **Key Achievement:** Developed mathematical models for production optimization and Max-Flow algorithms using **Advanced Python**.
- **Impact:** Built a decision-making interface to simulate production scenarios and visualize real-time impact on **gross margin**.

INSAT Platform: Centralized Academic Hub, *Volunteer project*   02/2025 – 04/2025
Developed a Single Page Application (SPA) designed to centralize university resources for students.
- **Key Achievement:** Built the **Interactive Chatbot** and the frontend user interface using **React.js**.
- **Innovation:** Implemented automated data updates for dynamic content through **Web Scraping**.

SKILLS

Networks, Wifi, 5G, Telecommunications │ Linux │ IOT, Smart Device │

AI Fundamentals & Data Science Notions, Analytics, Linear Algebra │ Python, C, C++, Java, Javasript │

Web Development, HTML/CSS, Bootstrap, PHP, Symphony, ReactJS │ Git, GitHub │ UI/UX │ UiPath, RPA │

Communication, Teamwork, Time Management, Agile Scrum, Organization, Critical Thinking, Problem Solving

CERTIFICATES

Certified Courses in Data Science, AI, Machine Learning, Deep Learning, NLP, LLM, AI Ethics, Computer Networks such as CCNA1 & CCNA2, Cloud, DevOps, IoT, Linux, CyberSecurity Fundamentals, and Web Development from companies including Google, IBM, AWS, Cisco, NVIDIA, Linkedin, Orange Digital Center, Huawei.

LANGUAGES

Arab — Native   •   **French** — Bilingual   •   **English** — Fluent , C1 Advanced   •   **German** — Basic

ORGANISATIONS

Junior Entreprise,   09/2024 – Present | Tuniss, Tunisia
Member in Project Pole (Web Development Cell) and Commercial Development team 🔗
.Actively contributed to the realization of various projects.
.Actively contributed to the organization of major events such as the Junior Enterprise INSAT Forum 2024 & 2025 , JCR 1.0 and 2.0 and Seneca Hack.

IEEE INSAT SB, *Active Member* 🔗   09/2023 – Present | Tunis, Tunisia
.Managed the organization of events like SPA'x.
.Took on the role of ambassador for the Tomorrow Land event.

IEEE Computer Society Chapter INSAT SB, *Member in Project Development Department*   01/2025 – 05/2025 | Tunis, Tunisia
.Actively contributed to the realization of the INSAT Platform project.