Mariem Ouertani

ICT & Software Engineering Student

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EDUCATION

Computer Networks and Telecommunication Engineering, *INSAT* ✐   09/2025 – Present
Tunis, Tunisia

Integrated Preparatory Cycle, *INSAT* ✐   09/2023 – 05/2025
With Honors, ranked 3th out of 86.   Tunis, Tunisia

PROFESSIONAL EXPERIENCE

RPA Developer, SAP Consultant (Internship), *Iliade Consulting* ✐   07/2025 – 08/2025
- Designed and developed an invoice automation robot in SAP IS-U using UiPath.   Tunis, Tunisia
- 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
- Gained a deeper understanding of banking operations and customer service.   Tunis, Tunisia

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PROJECTS

Ecological Robot Fleet Management (Java / OOP), *Academic Project*   04/2025 – 05/2025
- Engineered an advanced Java simulation to manage delivery robots, with a focus on sustainability and energy efficiency.
- Applied core Object-Oriented Programming (OOP) principles including inheritance and polymorphism to build a robust and maintainable software architecture.
- Implemented key features such as intelligent idle mode and battery optimization to reduce the project's ecological footprint.
- Developed a graphical user interface (GUI) using Swing for real-time monitoring of robot status and energy metrics.

Network Programming and Sockets Project, Academic Project   03/2025 – 05/2025
- Developed a client/server binary calculator using Python, applying a deep theoretical understanding of TCP/UDP protocols and the socket lifecycle.
- Implemented robust client-server communication via UDP sockets, with the server handling multiple clients simultaneously using threading.
- Simulated real-world network challenges like packet loss and delays to test the application's resilience.

INSAT Platform, *Volunteer Project*   02/2025 – 04/2025
- Developed a web-based platform to centralize university resources and information for students, including schedules and course materials.
- Designed and implemented a chatbot to answer student queries, providing an interactive and efficient way to access information.
- Built a user-friendly Single Page Application (SPA) using React.js, ensuring a seamless and responsive user experience.

SKILLS

- Python, C, C++, Java
- Networks AI Fundamentals & Data Science Notions

- JavaScript, HTML/CSS, Bootstrap, PHP, Symfony, ReactJS
- IOT Basics Uipath

- Git, GitHub UI/UX
- Analytics, Linear Algebra

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

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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

Arabe	**French**	**English**	**German**
Native	Bilingual	Fluent	Basic

ORGANISATIONS

Junior Entreprise, *Member in Project Pole (Web Development Cell)*   09/2024 – Present
.Actively contributed to the realization of various projects.   Tunis, Tunisia
.Actively contributed to the organization of major events such as the Junior Enterprise INSAT 2024 Forum, JCR, Seneca Hack.

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

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