Rahma Dridi

First-year Professional Master's student in Telecommunication Systems and Networks

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🪪 PROFESSIONAL SUMMARY

Motivated first-year Master's student in Telecommunication Systems and Networks, seeking a work-study opportunity to apply theoretical knowledge in real-world projects, gain hands-on experience in software development, network management, and related technologies, and contribute effectively within a dynamic and professional environment. Eager to learn, adapt, and grow while collaborating with experienced teams to deliver innovative and efficient solutions.

🌐 LANGUAGES

French ●●●●○

English ●●●●○

Spanish ●●●○○

🎓 EDUCATION

Professional Master's Degree in Telecommunication Systems and Networks
Faculty of Sciences of Tunis – University of Tunis El Manar
09/2024 – present

Bachelor in information and communication technology
Faculty of Sciences of Tunis – University of Tunis El Manar
09/2021 – 06/2024

Baccalaureate in Mathematics
Assad Ibn Fourat high school – Oued Ellil
09/2020 – 06/2021

💼 PROFESSIONAL EXPERIENCE

Java/Quarkus Developer Intern
Keyrus
07/2025 – 08/2025
Achievements / Tasks:
- Implemented a token storage and retrieval mechanism in Redis using scheduled tasks, developed health checks to ensure microservices reliability, containerized services with Docker including native build optimization, and integrated monitoring via Grafana and Prometheus.
- Keywords : Java, Quarkus, Redis, Docker, Grafana, Prometheus, Quartz, Redis Insight, Redis Launcher, Microservices, Health Checks, PostgreSQL

Python Developer Intern
Sotetel
02/2024 – 05/2024
Achievements/Tasks
- Designed and developed a network automation platform to simplify and expedite the deployment and management of network services. The system manages equipment configuration, supports routing protocols, facilitates switching management, and enables report generation and device monitoring.
- keywords : Python, Django, HTML, CSS, Javascript, JQuery, Bootstrap, Networking, Routing, Switching, Cisco.

📁 PROJECTS

Employee and Leave Management System
- Developed an Employee and Leave Management System with Java and Spring Boot for the backend, Angular for the frontend, and MySQL for database management, featuring employee information management and leave request submission.

- keywords : Java, Spring Boot, Angular,MySQL

Bank Account Management Application

- Developed a full-featured web application for managing bank accounts, including user authentication (sign-up, sign-in, and password recovery via email), profile management with image uploads, and bank account operations such as creation, viewing details, and performing transactions (deposits and withdrawals).
- keywords : Java, Spring Boot, Spring Security, Bootstrap, HTML/CSS, JavaScript, MySQL

Web-Based Image Editing Application using Flask

- Developed a user-friendly web application for image editing using Flask, implementing features such as image encoding/decoding, compression/decompression, and editing tools including zoom, rotation, filters, and histogram visualization. Enabled importing encoded text files to reconstruct images, display details, and download the final edited image.
- keywords : Python, Flask, HTML/CSS, JavaScript

Car Rental Management System

- Developed a web application for car rental management that allows vehicle additions for rent by uploading images and entering key details. It enables browsing available cars, viewing rental packages, and booking by submitting required information.
- keywords : PHP, HTML, CSS, JavaScript, MySQL.

Facial Recognition Attendance Management:

- Designed and implemented an innovative Facial Recognition Attendance Management system using Raspberry Pi, showcasing advanced skills in computer vision and IoT.
- keywords : Raspberry Pi, Python, OpenCV.

Multifaceted Dashboard Application :

- Developed a comprehensive dashboard application that reads data from Arduino sensors, performs real-time analysis, and transmits processed information to ESP32 for display on the Thinger platform.
- keywords : Arduino, ESP32, Thinger Platform.

Java Swing Currency Converter Application:

- Developed a robust Java Swing application for seamless currency conversion, featuring a user-friendly interface that enables effortless conversion between Euro, Dinar, and Dollar.
- keywords : Java, Swing

Sensor Dashboard Application:

- Developed a dynamic Sensor Dashboard application on the Raspberry Pi platform, enabling real-time reading, analysis, and graphical representation of sensor values from the serial port using Python.
- keywords : Raspberry Pi, Python.