

YOSRA RHIM

Embedded Systems and AI Software Engineer

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🌐 [Portfolio](#)

Profile

Pursuing an engineering degree with a strong passion for Artificial Intelligence, Embedded Systems, and IoT, I am seeking a 6-month internship to apply my skills and contribute to innovative, AI-driven projects that foster professional growth.

Technical Skills

AI/ ML: TensorFlow, PyTorch, Scikit-learn, YOLOv3, OpenCV, NLP, LLM, Transformers (BERT, GPT), RAG

Programming: Python, C/C++, JavaScript

Databases: MySQL, PostgreSQL, MongoDB, Firebase, PowerBI

Web Development : Frontend : HTML, CSS, React.js ; **Backend :** Node.js, Spring Boot, Express.js, API REST, JSON, JWT Authentication

IoT/Embedded: ESP32, STM32, Raspberry Pi, MQTT

Tools: Git, Docker, Postman, VS Code, Agile/Scrum

AI Projects

Smart Chatbot - Developed a generative **AI chatbot** using Transformers and **NLP** to provide contextual, human-like responses and automated content generation.

AI Knowledge Assistant - Developed a generative **GenAI** for technical document summarization (**Flask, Transformers, Hugging Face**).

AI- Fire Extinguisher System - Designed a real-time fire detection system (ESP32-CAM + YOLOv3-Tiny).

Skills : Python, TensorFlow, NLP, LLM, RAG, FastAPI, OpenAPI

Professional Experience

Leoni – Sousse

June 2025

AI Engineer and Full-Stack Intern – Smart Stage (AI-Powered Internship Management Platform)

- Developed a full-stack web platform using (**Node.js, React, MongoDB, Power BI**) .
- Implemented predictive analytics for automated task recommendations (+30% efficiency).
- Implemented secure authentication (**JWT**) and role-based access control for interns, coaches, and administrators.

Dräxlmaier – Sousse

Aug 2024

AI Developer Intern – Predictive Analytics Platform

- Created a **real-time analytics** platform achieving 95% forecasting accuracy using ensemble models .
- Implemented automated **data pipelines** and **Power BI dashboards** for AI-driven decision making.

CRMN – Sousse

Jan – Jun 2023

AI and Web Developer Intern - AI-Driven Telemedicine Platform Integrating a Smart Mobile Robot for Remote Consultations

- Developed a telemedicine robot with **AI-assisted** remote diagnostics.
- Built a web interface (**React, Firebase, SQL**) for live doctor-robot interaction.

Watts Electronics – Monastir

Aug 2022

IoT Developer Intern – Smart Device Development

Designed electronic boards for smart environmental monitoring with Arduino/ESP32/STM32.

Education

- **National Private Engineering School – ESPRIT, Monastir** 2023–2026
Engineering Cycle in Embedded Electronic Systems and Telecommunications
- **Higher Institute of Computer Science and Mathematics - ISIMM** 2020–2023
Bachelor's Degree in Embedded Systems
- **High School - Monastir** June 2020
Baccalaureate Diploma in Technical Sciences

Certifications

- Deep Learning & AI for Predictive Maintenance | Fundamentals of ROS Code | Industry 4.0 Fundamentals | Python for Data Science

Languages

Arabic: Native | French: Fluent (C1) | English: Professional (B2)