

Mansri Amine

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📍 La Marsa, Tunisia

🔗 leetcode



Education

- 2022 – 2025 📖 **National School of Advanced Sciences and Technologies, Borj Cedria .**
Diploma: *Advanced Technologies Engineer.*
- 2020 – 2022 📖 **Institute of Applied Sciences and Technology, Mahdia .**
Diploma: Diploma of First Cycle University Studies

Work experience

- 2023 – 2023 📖 **Freelance.** Remote (6 months)
Technologies Used: Arduino/ESP32, Thermal Printer, RFID/NFC, Python, C++, HTML, CSS, JavaScript, Spring Boot
Description: The **Classy** project is an automated **Ticket Payment Equipment (TPE)** system designed to streamline ticket generation and payment processing. It features an RFID/NFC reader for contactless transactions , a thermal printer for issuing tickets and an interactive TFT touche screen . The system integrates a **web API**, which facilitates real-time transaction validation, ticket printing, and user interaction through a web interface.
- 2023 – 2024 📖 **Express Air Cargo, Airline.**
Internship (2 months) – Tunis
Position: IT Assistant

Projects

📖 Mail Generator using AI

- **Description:** An AI-powered tool that generates personalized job application emails. By analyzing job postings from URLs and matching them with your portfolio, it creates professional, tailored emails aligned with specific job requirements.
- **Technologies:** web scrapping , Streamlit, Pandas , ChromaDB , LangChain , Conda , LLM ...

📖 Document Retrieval and Question-Answering System

- **Description:** This project processes PDF documents, stores them in a vector database, and allows querying based on the content of the documents. It leverages embeddings and language models to generate accurate responses.
- **Technologies:** RAG , Local LLM , Ollama , Langchain , PyTest , Embeddings ...

Projects (continued)

📌 Ticket Payment Equipment (TPE) Machine

Description: Developed an automated TPE machine for ticket generation and payment processing, integrating an RFID reader for contactless payments and a thermal printer for issuing tickets. The system provided real-time transaction validation and receipt printing, optimizing customer experience.

📌 Fully Automated Chicken Incubator

Description: Designed and developed a fully automated chicken incubator with precise control over temperature, humidity, and egg rotation. The system utilized environmental sensors to monitor and maintain optimal conditions, ensuring high hatch rates.

final year projects

📌 final year project 1 : Web Dev

- **Description:** Developed a responsive website that showcases various features, including user interaction, dynamic content updates, and an appealing user interface.
- **Technologies:** HTML, CSS, JavaScript for frontend development, along with libraries such as Bootstrap for styling and jQuery for enhanced functionality.

📌 final year project 2 : Security of RFID systems

- **Description:** Conducted a project the security vulnerabilities of RFID systems, exploring potential threats and mitigation strategies to enhance data protection and user privacy.
- **Technologies:** RFID technology, cryptographic techniques, and security protocols .

Skills

Soft Skills

- 📌 Problem-solving
- 📌 Communication
- 📌 Time Management & Organization
- 📌 Continuous Learning

Coding

- 📌 Prompt Engineering , AI , LLM , NLP , RAG , Agentic AI

Interests

📌 Hobbies :

- **Chess (click here)**
- **Basketball:** Played for 4 years
- **Technologies:** interested in robotics, AI, and ML
- **Fitness**