Rania Halila

Software Engineering Student

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PROFILE

Motivated second-year software engineering student with a passion for building real-world projects and learning modern tools. Open to opportunities to apply and expand technical and collaborative skills.

PROFESSIONAL EXPERIENCE

Summer Intern – Action Digital   Jul–Aug 2024

Developed an integration connector between **Odoo** (business management platform) and **Pappers** (legal and financial data provider), specifically for **the Contact module** in Odoo.

The connector was built using **Python** (for API development) and **XML** (for data formatting). The architecture was modular, with the **API** serving as a bridge between the two platforms.

PROJECTS

StockGuard – Blockchain Project

- Developed a blockchain-based supply chain monitoring system to detect and prevent abusive stockpiling of essential goods like milk, sugar, and flour.
- Designed and deployed smart contracts using Solidity and Truffle, ensuring transparent and tamper-proof tracking of product movements.
- Integrated a React frontend with Web3.js for user interaction, providing real-time access to verified product transaction data on the blockchain.

Tools: Solidity, Truffle, Ganache, Web3.js, MetaMask, React.js

Quiz Application – Spring Boot

- Created a backend for quizzes with endpoints to manage questions and answers.
- Used H2 database and tested with Postman.

Tools: Spring Boot, H2, Postman

Emotion-Based Music Recommender – AI/ML Project

an AI-powered app that recommends playlists based on users' emotions detected from selfies or text input.

Tools:DeepFace, VADER, TextBlob, Python, Jupyter Notebook, Streamlit, Spotify API

EDUCATION

National School of Computer Science (ENSI)   2023–Present
degree in Software Engineering

Preparatory Institute for Engineering Studies – Monastir   2021–2023
Math–Physics Preparatory Classes

SKILLS

- **Languages:** C, C++, Java, Python, JavaScript, PHP
- **Web:** HTML, CSS, React.js, Spring Boot, REST APIs
- **Database:** MySQL, H2, MongoDB
- **Tools:** Git, Postman, Oracle , Scrum
- **Envs:** VS Code, PyCharm, Eclipse
- **Systems:** Linux (Ubuntu/Kali), Windows
- **Networking:** Wireshark, TCP/IP

EXTRACURRICULAR ACTIVITIES

- **English Teacher:** Led English workshops at JCI Bennane summer school.
- **Compensation File Consultant:** Helped prepare documentation for JCI Bennane.

Skills: leadership,public speaking ,documentation

Languages

English (Fluent), French (Fluent), Arabic (Native), German (Elementary)