Meriem Sakka *AI Engineer*

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PROFILE

AI Engineer with a background in Mechatronics. Passionate about developing AI-driven solutions to solve real-world challenges and drive innovation. Highly adaptable and eager to explore emerging technologies.

EXPERIENCE

02.2024 – 08.2024
Tunis, Tunisia

Data Scientist Intern, WEVIOO
- **Developed a sentiment analysis platform** using Flask to evaluate customer feedback on banking products, optimizing the speed and efficiency of the analysis.
- **Designed a data collection and processing pipeline** using Python and Selenium.
- **Used TunBERT** to accurately classify sentiments in the **Tunisian dialect**.
- **Created interactive dashboards** providing strategic insights to financial institutions.

07.2023 – 08.2023
Sousse, Tunisia

Robotics Engineer Intern, Enova Robotics
- **Assembled and calibrated two LIDAR sensors**, achieving **360-degree detection** coverage for an autonomous robot.
- **Enhanced trajectory planning efficiency** by integrating sensor data in complex environments.

PROJECTS

02.2023 – 05.2023

Classically Inspired Quantum Image Processing, Final Year Project
- **Encoded classical images into quantum representations** and retrieved them on IBMQ Belem via IBM Quantum Lab.
- **Explored the use of quantum computing for image processing**, gaining hands-on experience with quantum encoding and computing techniques.

SKILLS

Programming & Data
- **Programming Languages:** Python, C/C++, R, SQL
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI

Development & Automation
- Flask, Selenium, RESTful APIs, ROS (Robot Operating System)

Machine Learning & AI
- Keras, PyTorch, Scikit-learn, TensorFlow, Hugging Face Transformers, NLTK

Quantum Computing
- Qiskit, IBM Quantum Lab, Quantum Image Processing

EDUCATION

09.2021 – 10.2024
Ariana, Tunisia

National Engineering Diploma in Mechatronics,
National School of Engineering of Carthage

09.2019 – 06.2021
Monastir, Tunisia

Pre-engineering Cycle in Mathematics-Physics,
Monastir Preparatory Engineering Institute

LANGUAGES

English: TOEIC Score: 945/990 (Advanced Level - C1)   •   **French**   •   **Arabic**