

MAHA HAJ MEFTAH

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EDUCATION

University of Carthage, National Engineering School of Carthage September 2020 - Present
Computer and Electronics Engineering Degree(Embedded Systems specialization)

University of Monastir, Preparatory Institute for Engineering studies of Monastir 2018 - 2020
preparatory cycle for engineering studies

SKILLS

Languages	Python, C, C++, Java
Libraries	Qiskit, Pandas, Numpy, Scikit-learn
Frameworks	TensorFlow
Tools	Git, Jupyter-notebook
OS	Linux
Protocols	CAN, I2C, SPI, UART

PROFESSIONAL EXPERIENCE

Data Glacier

Data Science intern

- Performed EDA to provide actionable insights that help the Executive team to identify the right company to make their investment in.
- Implemented Unsupervised machine learning using K-Means clustering algorithm for bank customer segmentation
- Deployed a linear Regression model on Heroku(Flask app)

PROJECTS

Miniaturized Decomposition of C^n NOT GATES

Qiskit, Python,Jupyter-notebook

- Decomposed C^3NOT using only universal gates .
- Implemented 20 Miniaturization rules using Qiskit and Python.
- Utilized Miniaturization rules that decreased the total number of gates by 17%.

Smart Home Dashboard

Python, Micropython, LVGL

- Implemented a smart home dashboard to control home devices

EXTRA-CURRICULAR ACTIVITIES

- Member of QTunisia(quantum community in Tunisia)
- Member of North America Tunisian Engineers Group of ENICARTHAGE