

MAAROUFI Sirine

Advanced Technologies Engineering Student

E-mail: sirine.maaroufi@enstab.ucar.tn * Telephone number: +216 58848968

LinkedIn: linkedin.com/in/sirinemaaroufi

Profile

I'm a second-year advanced technologies engineering student, passionate about Data Science and Machine Learning with a drive for continuous learning. I'm looking for a summer internship in ML.

Technical skills

Python, C++, Arduino, Machine Learning, Deep Learning, Data Analysis, MATLAB, Python Libraries: Pandas, sklearn, Feature-engine, Flask, Web Scraping: BeautifulSoup, Requests

Language proficiencies

English C2 Proficient (EF SET)

French
Arabic

Volunteering

Active member 22/23
Electronix ENSTAB

- Experience in building and competing with **Arduino-based line follower robots**, as well as **organizing ENSTARobots events**.

General Secretary 22/23
ACM ENSTAB

- Active in **problem-solving** competitions and responsible for maintaining up-to-date records and distributing meeting details.

Hobbies

- Ping Pong
- Music
- robotics
- Problem Solving

Education

Engineering Degree 2021 - current
National School of Advanced Technologies and Sciences of Borj Cedria-ENSTAB

Advanced Technologies Engineering

Data Analysis Nanodegree Aug 2022 - Nov 2022
Udacity

Completed a fully-funded Nanodegree program sponsored by ALX-Africa, with a focus on Data Analysis using Python

Pre- Engineering Studies Sept 2019 - June 2021
Preparatory Institute of Engineering Studies of Tunis - IPEIT

Scientific Preparatory cycle: Mathematics & Physics

Professional experience

Business & AI June 2022- August 2022
Data Science Intern

Web Scraping

- Extract data from several car sellers' websites using web scraping tools: **BeautifulSoup**, **requests**.

Machine Learning

- Created pipelines to preprocess real-world data with mixed data types, engineer new features with feature-engine, and solve a regression problem of predicting used car prices using machine learning. Conducted performance comparison of multiple regressors.

Academic Projects

Graph Neural Networks (GNN) for Drones Swarm path planning and optimization Jan 2023 - Present
Synthesis Project II *ENSTAB*

- Evaluated GNNs for optimizing drone swarm technology and highlighted their significance for enhancing UAV applications.

Forest fires prediction system Jan 2022 - April 2022
Synthesis Project I *ENSTAB*

- Built a wildfire prediction model using **SVM** and **Pandas/sklearn**.
- Deployed the model with **Flask** web interface.