

Mohamed Aymen Krifa

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EDUCATION

Ecole Polytechnique Sousse

Engineer's degree in Computer Science

Sousse, Tunisia

Sep. 2022 – July 2025

Ecole Polytechnique Sousse

BSc in Software Engineering and Information Systems

Sousse, Tunisia

Sep. 2019 – July 2022

- Cumulative GPA: 3.7/4.0, Top of the Class Student Award
- Relevant Coursework: Machine Learning, Probability & Statistics, and Discrete Mathematics

EXPERIENCE

Quicktext

Junior Data Scientist

Sousse, Tunisia

July 2022 - Present

- Led the complete development lifecycle of a state-of-the-art machine learning infrastructure, dedicated to delivering personalized information recommendations to hotel website visitors, leveraging their preferences and conversations from similar visitors through our deployed chatbot.
- Designed and implemented the project's extraction, preparation, modeling, and evaluation stages, focusing on training supervised machine learning models to predict visitor preferences and topics of interest.
- Assisted top management by presenting thorough analyses and complete dashboards of the requested information, enabling data-driven decision-making and strategic planning.
- Mentored and guided new recruits and interns, sharing expertise and best practices to enhance their technical skills and contribute to the team's growth and success.

Research Intern

Feb. 2022 – July 2022

- Utilized Python to implement various supervised machine learning techniques, including decision trees and random forests, to predict website users' potential trip categories of partnering hotels with an accuracy rate of 70%.
- Obtained, processed, analyzed, and transformed millions of raw data collected from internal databases while adhering to ethical principles and maintaining data integrity.
- Developed and deployed the predictor endpoint using Flask API to integrate the model with the company's web application.
- Presented data findings and insights to team leaders on a weekly basis through oral, visual, and written reports, highlighting the significance of the analysis and how it could inform decision-making processes.

Whitecape Technologies

Software Engineering Intern

Sousse, Tunisia

Sep. 2021 – Oct. 2021

- Developed a comprehensive HR management web application using Spring Boot and Angular, streamlining HR processes and improving operational efficiency within the organization.
- Collaborated closely with HR to gather requirements, design intuitive user interfaces, and implement essential functionalities such as leave management, attendance tracking, and performance evaluation.

Enova Robotics

Software Engineering Intern

Sousse, Tunisia

Aug. 2020 – Sep. 2020

- Leveraged technical expertise in C++ and OpenCV to contribute to an object detection project for the new PGuard self-charging feature, resulting in the successful detection of the charging station port.
- Demonstrated strong collaboration skills and adherence to real-life team practices, resulting in effective communication and efficient task completion within the group.

EXTRA-CURRICULAR ACTIVITIES

Data Analyst at Google Developers Student Club - EPS

Oct. 2021 – July 2022

- Helped better understand our target audience through registration and feedback data.
- Increased our audience by an average of 10 students per workshop.

SKILLS

Programming Languages: Python, SQL, C/C++

Libraries: Pandas, NumPy, Scikit-Learn, Seaborn, Plotly, OpenCV, FastAPI, Flask

Developer Tools: IPython, Shell scripting, Docker

Languages: English (Fluent), French (Full professional proficiency), Arabic (Native)