

Aymen Krifa

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RELEVANT SKILLS

Programming Languages: Python, SQL, C/C++, Shell Scripting
Libraries: Pandas, NumPy, Transformers, PyTorch, Scikit-Learn, Dash/Plotly, MLflow
Web Frameworks: FastAPI, Flask, Streamlit
Developer Tools: Docker, IPython/Jupyter Notebook, Git
Languages: English (Fluent), French (Full professional proficiency), Arabic (Native)

EXPERIENCE

Quicktext

Sousse, Tunisia

Junior Machine Learning Engineer

July 2022 - Present

- Implemented end-to-end projects, from ideation to deployment, ensuring seamless integration into production.
- Led the transition of our chatbot's intent detection system from multi-class to multi-label, enhancing its ability to integrate and utilize generative AI.
- Integrated and developed complex pipeline to provide LLM with specific knowledge about hotels for user prompts.
- Fine-tuned Mistral and GPT models for tailored use cases within our chatbot.
- Restructured our internal pipelines, resulting in improved workflow efficiency, and better scalability.
- Supported top management by presenting comprehensive analyses and data visualizations, enabling data-driven decision-making and strategic planning.
- Conducted over 20 interviews and trained new hires and interns, sharing technical expertise and best practices.
- Built out core documentation and workflows of our team.

Quicktext

Sousse, Tunisia

Data Science Intern

February 2022 – July 2022

- Implemented supervised machine learning techniques, including decision trees and random forests, to predict website users' potential trip categories with a 70% accuracy rate.
- Processed and analyzed millions of raw data from internal databases, ensuring data integrity and adherence to ethical principles.
- Developed and deployed a predictor API using Flask to integrate the model with the company's web application.
- Presented data findings to team leaders weekly through oral, visual, and written reports, informing decision-making processes.

Enova Robotics

Sousse, Tunisia

Software Engineering Intern

August 2020 – September 2020

- Developed object detection functionality in C++ and OpenCV for autonomous security robots optimizing accuracy in identifying charging station ports.
- Collaborated effectively within a team environment, ensuring clear communication and efficient task completion.

RELEVANT PERSONAL PROJECTS

AutoActivator [↗](#) | Shell, Python, cURL

March 2023

- Developed a micro-framework for managing Python virtual environments by automatically activating and deactivating them based on project directories, supporting both Z shell and Bash.
- Utilized daily by the Quicktext AI team, saving time and streamlining redundant tasks.

EDUCATION

Ecole Polytechnique Sousse

Sousse, Tunisia

Engineer's degree in Computer Science (Night classes)

September 2022 – Present (Expected graduation July 2025)

Ecole Polytechnique Sousse

Sousse, Tunisia

Bachelor's degree in Software Engineering and Information Systems

September 2019 – July 2022

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