

Roukaia Khelifi

+216 29 04 39 30 — roukaia70@gmail.com — [linkedin.com/in/roukaia-k-046365205](https://www.linkedin.com/in/roukaia-k-046365205)

Profile

Proficient Data Science Engineer with a strong foundation in SQL and a passion for solving data-driven challenges, backed by a robust software engineering background. My expertise in database management and querying has been integral to projects involving Machine Learning, NLP, and LLMs. With a background in artificial intelligence and statistical analysis, I have collaborated with international companies to design and implement data solutions that drive impactful results, combining my software engineering skills with data science to deliver scalable and efficient outcomes.

Experience

Data Science Intern, Huawei Technologies **Tunis, Tunisia** 01/2024 - 06/2024

- Developed an advanced LLM-powered chatbot to streamline document analysis. Users can upload documents and ask questions directly, eliminating the need for manual review.
- Designed an unsupervised learning tool to automate network optimization, reducing manual processing time by 83.33% and achieving an accuracy of 85%, significantly decreasing the likelihood of errors.
- Tools used: Python, NumPy, Pandas, Streamlit, LLM, LLAMA2

Data Science Intern, Coopva **Texas, USA (Remote)** 06/2024 - 08/2024

- Implemented real-time facial recognition to help Alzheimer's patients identify loved ones through a smart photo and video recognition system.
- Presented the project to stakeholders, explaining AI and data concepts to doctors and caregivers in an accessible way.
- Tools used: Python, YoloV8

Data Science Intern Sagemcom **Tunis, Tunisia** 06/2023 - 08/2023

- Developed and implemented a predictive maintenance solution for industrial settings, achieving an accuracy of 97%.
- Leveraged feature engineering, data analytics, and machine learning algorithms to predict equipment failures, optimize maintenance schedules, and minimize downtime.
- Tools used: Python, Pandas, Scikit-learn, MySQL, SQL

Online Courses & Certifications

- Applications of AI for Anomaly Detection (Nov. 2023) - [NVIDIA](#)
- Generative AI with Large Language Models (LLMs) (Sep. 2023) - [Coursera](#)
- Machine Learning Specialization (Mars. 2023) - [Coursera](#)

Education

Engineering Diploma in Computer Science *Esprit Engineering School* **Ariana, Tunisia**

Relevant Courses: Data Science, Machine Learning, SQL, NLP, Statistics & Probability

Skills

- Technical Skills:** Machine Learning, MySQL, SQL, Python, NLP, LLMs, Git/Github
- Soft Skills:** Creative Problem-Solving, Teamwork
- Communication Skills:** Technical and Non-Technical Presentations, Active Listening

Languages

- English** [Native]
- French** [Fluent] - B2
- Arabic** [Intermediate]