

Hamza Jakouk

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ABOUT ME

I have just completed my internship at Desjardins and am currently pursuing my Master's in Information Technology Engineering at ÉTS. I am seeking part-time employment to finance my studies and gain professional experience. Available immediately with a flexible schedule adapted to my academic calendar.

EDUCATION

Master's in Information Technology Engineering Started September 2024
École de technologie supérieure (ÉTS), Montreal, Canada
Engineering Degree in Information Systems and Big Data September 2021 – 2024
National School of Applied Sciences of Berrechid, Morocco

- ✓ Coursework in Big Data, Artificial Intelligence, and Business Intelligence.
- ✓ Projects completed in machine learning and data engineering.

PROFESSIONAL EXPERIENCE

Data Analyst - Internship Mai 2025 – août 2025
Desjardins, Montreal, Canada

- ✓ Automated comparative analysis of quarterly financial reports for 5 major Canadian banks.
- ✓ Developed intelligent extraction solution using AI models to detect indicator changes.
- ✓ Created integrated user interface reducing manual analysis time by 80%.
- ✓ Implemented two-level validation system with Detective model to eliminate false positives.
- ✓ Tools: Python, GPT-4, OpenCV, Streamlit, Pandas, JSON.

Data Engineer February 2024 – August 2024
Intelcia IT Solutions, Casablanca, Morocco

- ✓ Led migration from Teradata to BigQuery.
- ✓ Developed automated scripts for dashboards.
- ✓ Optimized SQL queries.
- ✓ Validated dashboards.
- ✓ Tools: Python, SQL, BigQuery, Data Studio, Tableau.

Machine Learning Engineer July 2023 – September 2023
Marsa Maroc, Laâyoune, Morocco

- ✓ Designed chatbot for ship maintenance.
- ✓ Tools: Python, NLP, LangChain, Streamlit, Pytorch.

Artificial Intelligence Researcher June 2023 – July 2023
TourSoft International, Remote, Japan

- ✓ Enhanced tourism through AI.

Machine Learning Intern July 2022 – August 2022
Wing Technology, Casablanca, Morocco

- ✓ Developed real estate price prediction system.
- ✓ Tools: Python, Anaconda, Mlflow, Docker.

EXTRACURRICULAR ACTIVITIES

Dronolab Member – AI Team Lead 2024 – Present
ÉTS, Montreal, Canada

- ✓ Developing AI solutions for autonomous drone project.
- ✓ Preparing for Aerial Evolution Association Canada 2025 competition.
- ✓ Designing learning models for forest fire detection and response.