

# Hamza Jakouk

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## ABOUT ME

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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

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**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

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**Data Analyst - Internship** September 2024 – January 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

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**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.