

# ISMAIL HATIM



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[Website](#)



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**MSc in Artificial Intelligence Student**  
**Currently looking for a Master Internship and PhD**

## TRAINING & ACADEMIC HISTORY

### CentraleSupélec - MSc in Artificial Intelligence

**Gif-sur-Yvette, France**

*Artificial Intelligence training in Machine Learning, Deep Learning and Stochastic Optimization*

September 2024- Today

- Research oriented Master thesis
- Core courses: Machine Learning, Decision Modeling, Optimisation for Machine Learning, Deep Learning and Reinforcement Learning
- Elective courses: Reinforcement Learning, Natural Language Processing, Reinforcement Learning and Network Science Analytics.

### ENSEA - École Nationale Supérieure De l'Électronique et de ses Application

**Cergy, France**

*Engineering training in Analog and Digital Electronics and Computer Science*

September 2019- February 2023

- Specialization in Computer Science and Systems
- Courses taken: Digital Signal Processing, Software Engineering, Parallel Programming, Operating Systems and Algorithms

### LYCÉE CHAPTAL - Preparatory class for the Grandes Écoles

**Paris, France**

*Maths Physics and Engineering Sciences then Maths Physics star class*

September 2017– June 2019

- Specialization in Computer Science

### LYCÉE FRANÇAIS LYAUTEY

**Casablanca, Maroc**

- Scientific Baccalaureate specializing in Computer and Digital Sciences, with honors

June 2017

## ACADEMIC AND TECHNICAL PROJECTS

### CentraleSupélec - Lab Project : Fairness in Generative Graph Machine Learning

**Gif-sur-Yvette, France**

- Designed and implemented an evaluation pipeline of fairness in GeML models, focusing on architectures like VGAE and diffusion models.
- Utilized PyTorch Geometric to manage graph data structures and build GNN architectures for tasks such as node classification.
- Collaborated with CVN and Inria OPIS, with guidance from researchers to align the project in AI ethics and fairness

### CentraleSupélec - Research Project: Explainability in AI Models

**Gif-sur-Yvette, France**

- Conducted theoretical research focusing on improving interpretability in high-dimensional datasets.
- Developed a framework for analyzing feature importance using Shapley values, applied to models in image and text classification tasks.

### CentraleSupélec - AI Challenge

**Gif-sur-Yvette, France**

- Developed a heuristic AI for a board game implementing algorithms like Alpha-Beta pruning, with potential for more complex strategies.

### ENSEA - Cross-disciplinary software project

**Cergy, France**

- Creation of a clone of the "Terraforming Mars" board game in C++, featuring simple, heuristic and advanced AI.

## PROFESSIONAL EXPERIENCE

### POLARYS- Business Intelligence consulting firm

**Paris, France**

*Business Intelligence Consultant affiliated with various missions*

February 2023 - September 2024

- **Christian DIOR Couture: Tech Lead** within an AGILE project for data visualization:
  - Optimization of KPIs calculation times on PowerBI (DAX query execution times).
  - Integration of data into PowerBI data flows, and management of dataset updates.
  - Production of an automated daily report for the Americas execution committee.
- **Eaton Corporation** : Configuration of payroll data flows using SaaS **beqom**:
  - Creation of the global architecture for data integration pipelines on Azure Data Factory.
  - Development of SQL stored procedures for ETL.
- **Ardian**: Migration of an integration solution (private equity company):
  - Integration architecture for the various flows (SSIS).
  - Parameterization of the solution using configuration files.

### LOGIQ DIGITAL AFRICA- Digital Marketing Agency

**Casablanca, Morocco**

*Trainee Digital Marketing Project Manager Assistant*

May 2022– August 2022

- Participation in a project to create an internal Web platform:
  - Web development, content addition and Search Engine Optimization (SEO)
- Participation in a project to develop a lead retrieval application for a banking institution.

4 months

## SKILLS

### Computer skills:

Programming Languages: Python, Java, SQL, C, C++ Libraries: Pytorch, Pytorch Geometric, TensorFlow, Scipy, Keras.

Languages: French & Arabic (Native), English (score TOEIC: 875), Spanish (Notions)

## ACTIVITIES

- Sport: Surfing, Calisthenics
- Music: Piano (17 years of practice and participation in various events such as concerts and performances) , Guitar, Saxophone and Singing