

ISMAIL HATIM

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MsC in Artificial Intelligence Student  
Currently looking for a PhD

TRAINING & ACADEMIC HISTORY

<b>CentraleSupélec - MsC in Artificial Intelligence</b> <i>Artificial Intelligence training in Machine Learning, Deep Learning and Stochastic Optimization</i> <ul style="list-style-type: none"><li>Research oriented Master thesis</li><li>Core courses: Machine Learning, Decision Modeling, Optimisation for Machine Learning and Deep Learning</li><li>Elective courses: Reinforcement Learning, Natural Language Processing, Reinforcement Learning and Network Science Analytics.</li></ul>	<b>Gif-sur-Yvette, France</b> September 2024- Today
<b>ENSEA - École Nationale Supérieure De l'Électronique et de ses Application</b> <i>Engineering training in Analog and Digital Electronics and Computer Science</i> <ul style="list-style-type: none"><li>Specialization in Computer Science and Systems</li><li>Courses taken: Digital Signal Processing, Software Engineering, Parallel Programming, Operating Systems and Algorithms</li></ul>	<b>Cergy, France</b> September 2019- February 2023
<b>LYCÉE CHAPTAL - Preparatory class for the Grandes Écoles</b> <i>Maths Physics and Engineering Sciences then Maths Physics star class</i> <ul style="list-style-type: none"><li>Specialization in Computer Science</li></ul>	<b>Paris, France</b> September 2017– June 2019
<b>LYCÉE FRANÇAIS LYAUTEY</b> <ul style="list-style-type: none"><li>Scientific Baccalaureate specializing in Computer and Digital Sciences, with honors</li></ul>	<b>Casablanca, Maroc</b> June 2017

ACADEMIC AND TECHNICAL PROJECTS

<b>CentraleSupélec - Lab Project : Fairness in Generative Graph Machine Learning</b> <ul style="list-style-type: none"><li>Designed and implemented an evaluation pipeline of fairness in GeML models, focusing on architectures like VGAE and diffusion models.</li><li>Utilized PyTorch Geometric to manage graph data structures and build GNN architectures for tasks such as node classification.</li><li>Collaborated with CVN and Inria OPIS, with guidance from researchers to align the project in AI ethics and fairness</li></ul>	<b>Gif-sur-Yvette, France</b>
<b>CentraleSupélec - Research Project: Explainability in AI Models</b> <ul style="list-style-type: none"><li>Conducted theoretical research focusing on improving interpretability in high-dimensional datasets.</li><li>Developed a framework for analyzing feature importance using Shapley values, applied to models in image and text classification tasks.</li></ul>	<b>Gif-sur-Yvette, France</b>
<b>CentraleSupélec - AI Challenge</b> <ul style="list-style-type: none"><li>Developed a heuristic AI for a board game implementing algorithms like Alpha-Beta pruning, with potential for more complex strategies.</li></ul>	<b>Gif-sur-Yvette, France</b>
<b>ENSEA - Cross-disciplinary software project</b> <ul style="list-style-type: none"><li>Creation of a clone of the "Terraforming Mars" board game in C++, featuring simple, heuristic and advanced AI.</li></ul>	<b>Cergy, France</b>

PROFESSIONAL EXPERIENCE

<b>ILLS - International Laboratory on Learning Systems</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Research on uncertainty in Vision-Language Models:<ul style="list-style-type: none"><li>Leveraging probabilistic techniques to model and quantify uncertainty in large-scale, multimodal datasets.</li><li>Developing and evaluating methodologies for uncertainty-aware VLMs, with high-stakes applications.</li><li>Collaborating with researchers at LIVIA and ILLS, in partnership with CNRS, to align the work in uncertainty quantification.</li></ul></li></ul>	<b>Montreal, Canada</b> Starting May 2025 6 months
<b>POLARYS- Business Intelligence consulting firm</b> <i>Business Intelligence Consultant affiliated with various missions</i> <ul style="list-style-type: none"><li><b>Christian DIOR Couture: Tech Lead</b> within an AGILE project for data visualization:<ul style="list-style-type: none"><li>Optimization of KPIs calculation times on PowerBI (DAX query execution times).</li><li>Integration of data into PowerBI data flows, and management of dataset updates.</li><li>Production of an automated daily report for the Americas execution committee.</li></ul></li><li><b>Eaton Corporation</b> : Configuration of payroll data flows using SQL stored procedures for ETL and Azure Data Factory.</li><li><b>Ardian</b>: Migration of an integration solution (private equity company) using SSIS.</li></ul>	<b>Paris, France</b> February 2023 - September 2024
<b>LOGIQ DIGITAL AFRICA- Digital Marketing Agency</b> <i>Trainee Digital Marketing Project Manager Assistant</i> <ul style="list-style-type: none"><li>Participation in a project to create an internal Web platform</li><li>Participation in a project to develop a lead retrieval application for a banking institution</li></ul>	<b>Casablanca, Morocco</b> May 2022– August 2022

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