

Youssef AIT ELOURF

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Profile

Final-year student in Data Engineering and AI specialization at ECE Paris, pursuing a joint degree at UQAR (Master's in Computer Science, AI and Machine Learning). Passionate about data science and large-scale data systems, with hands-on experience in developing and deploying AI solutions. Seeking an internship starting May 2026 in Montreal/Quebec as a Machine Learning Engineer, Data Scientist, or Data Engineer, with particular interest in applications in industrial, healthcare, and biology domains.

Professional Experience

Machine Learning and Artificial Intelligence Engineer - Part-time August 2025 – Nov. 2025
Eddmon and Le Kompa Remote (Canada) - Company based in Paris, France

- Active contribution to the company's AI strategy (multi-domain agents, NLP, generative AI).
- Optimization and continuous maintenance of production models, reducing cloud costs by 15%.
- Development of new AI projects alongside studies, generating an estimated gain of 4 to 6 hours/week for business teams.

Machine Learning and Artificial Intelligence Engineer - Intern April 2025 – August 2025
Eddmon Paris, France

- Development and deployment of AI agents integrated into CRM and business tools, with >80% adoption rate by teams.
- Production deployment of tools adopted by HR, Sales, and CSM teams, reducing processing time for certain tasks from several minutes to seconds.
- Projects: call transcription and analysis (instant reports, 100% time savings on data entry), automatic customer profile generation (3–5 min → seconds), SMS/email responses (response time divided by 5), matching algorithm for specific requests (1 h → seconds).
- **Tools:** Python, Hugging Face, LangChain, SQL, Docker, Google Cloud Platform, DigitalOcean.

Network Architecture and Cybersecurity Engineer - Intern June 2023 – August 2023
ACG Cybersecurity Paris, France

- Design of secure network architectures (segmentation, firewalls, VPN, IDS/IPS), contributing to reduce critical incident risk by 20%.
 - Audit of existing infrastructure and improvement recommendations, implemented on 3 client projects.
 - **Tools:** Cisco Packet Tracer, Wireshark, Nessus, VPN/IPSec/SSL protocols.
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Education

Master's in Computer Science – AI and Machine Learning 2025 - 2026
University of Quebec at Rimouski (UQAR) Rimouski, Canada

Engineering Degree – Data and Artificial Intelligence 2022 – 2026
École Centrale d'Électronique de Paris (ECE Paris) Paris, France

Preparatory Classes for Engineering Schools MPSI/PSI 2020 – 2022
Lycée Franklin D. Roosevelt Reims, France

Technical Skills

- **Languages:** Python, R, Java, SQL, Scala
 - **AI, LLMs & ML:** PyTorch, TensorFlow, Scikit-learn, Keras, LangChain, Hugging Face, Pandas, NumPy, XGBoost, Transformers, Vector Databases (e.g., Pinecone)
 - **Big Data:** Apache Spark, Hadoop, Koalas
 - **Databases:** MySQL, PostgreSQL, MongoDB, NoSQL
 - **Cloud & DevOps:** Azure (certified), Amazon Web Services (AWS), Google Cloud Platform (GCP), DigitalOcean, Docker, Kubernetes, MLOps
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Languages and Certifications

- **Languages:** French (native speaker, DALF C1), English (C1, TOEIC 955), Arabic (native speaker)
- **Certifications:** Azure AZ-900, Azure DP-100, Project Management MOOC, Python Data Scientist