Abdoul karim Ouattara

438-830-9441 | trkarimouatt@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of Montreal — Montreal, QC
Bachelor of Science in Mathematics and Computer Science (Data Science orientation) — *Ongoing*

EXPERIENCE

Freelance AI Model Trainer — Jan. 2025 – Present
Outlier — *Montreal, QC*

- Evaluate and rank LLM-generated responses based on strict criteria of accuracy, safety, and factuality to support Reinforcement Learning from Human Feedback (RLHF).
- Analyze complex prompts and instructions to provide structured feedback aimed at refining AI model performance and reasoning capabilities.
- Contribute to the development of an educational AI tool by structuring and verifying visual pedagogical content to enhance student learning.

Security Guard — June 2022 – Oct. 2024
GardaWorld — *Montreal, QC*

- Ensured safety and security across diverse environments, including hospitals, educational institutions, and large-scale public events.
- Performed rigorous security screenings and access control (bag checks) to prevent prohibited items and maintain site integrity.
- Conducted regular patrols and surveillance rounds to proactively identify risks and assist visitors or staff.
- Managed crowd control and emergency protocols with professionalism in dynamic and high-pressure situations.

PROJECTS

Interview Helper | *Python, Groq API, Streamlit, Prompt Engineering* — 2025

- Developed an interactive AI-powered application to simulate technical and behavioral job interviews tailored to specific job descriptions.
- Integrated Large Language Models (LLMs) to analyze user resumes and generate personalized, context-aware interview questions.
- Engineered complex system prompts to provide real-time, constructive feedback on user answers, highlighting areas for improvement.
- Implemented a user-friendly interface to streamline the practice process, improving user confidence and preparation efficiency.

Telco Churn | *Python, Scikit-learn, Pandas, Streamlit* — 2025

- Engineered an end-to-end machine learning pipeline to predict customer attrition, achieving 80% accuracy using a Random Forest Classifier.
- Implemented automated data preprocessing workflows, including handling missing values, categorical feature encoding (One-Hot), and stratified train-test splitting.
- Deployed an interactive web dashboard using Streamlit, enabling stakeholders to input customer metrics and visualize churn risk probabilities in real-time.
- Optimized model evaluation by analyzing Precision-Recall trade-offs to minimize false negatives, ensuring critical at-risk customers are identified.

TECHNICAL SKILLS

Languages: Python, SQL, Java, R
Machine Learning & AI: PyTorch, Scikit-learn, TensorFlow, OpenCV, Groq API, RLHF, Hugging Face
Data Science Libraries: Pandas, NumPy, Matplotlib, Seaborn
Developer Tools & Frameworks: Git, Docker, Linux, VS Code, Streamlit, n8n, MatLab

LANGUAGES & INTERESTS

Languages: French (Native), English (Professional Proficiency)
Interests: Electronics (Raspberry Pi, Arduino, ESP32), soccer, badminton, travel.