




Rita Berrada

Engineering student passionate about AI and Machine Learning

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EDUCATION

CentraleSupélec and McGill University

Sep 2024 – May 2028

Bachelor of Global Engineering

Paris-Montreal, France-Canada

- **Activities & Awards:** Active Member, Uniate (AI club) | 1st Place, BoGE 2025 Public Speaking Contest

French International High School of Marrakesh

Sep 2021 – Jun 2024

General Baccalauréate

Marrakesh, Morocco

- **Honors:** Highest Honors - Mathematics: 20/20 | Physics: 18/20
- **Leadership:** President, Student Council | President, Lions Club | President, Model United Nations Club

EXPERIENCE

LLM and Multilingual NLP Research Assistant

Feb 2026 – Present

MILA - Quebec AI Institute | Cohere Labs

Montreal, Canada (Remote)

Supervised by Julia Kreutzer, Senior Research Scientist

- Evaluate LLM linguistic reasoning on the MIST benchmark using olympiad-level multilingual puzzles.
- Analyze cross-lingual reasoning patterns in LLM outputs through structural response analysis.
- Investigate test-time scaling and prompt engineering strategies to improve LLM linguistic reasoning.

AI and Machine Learning Intern

Jun 2025 – Aug 2025

Infosys

Bangalore, India

- Built an end-to-end ML pipeline to improve train dwell time prediction.
- Conducted data cleaning, preprocessing, EDA, and outlier handling on large-scale operational data.
- Engineered features and fine-tuned predictive models, optimizing performance and accuracy.

Software Engineering Trainee - Coding Weeks

Nov 2024

Onepoint

Nantes, France

- Developed Python applications with modular architecture and GUI components.
- Applied Test-Driven Development and Git-based workflows in agile sprints.

PROJECTS

CompensAI - HackEurope Finalist | LLM, Multi-Agent AI, RAG

Feb 2026

- Built a multi-agent AI system scanning inboxes to detect eligible compensation claims and automate the process.
- Implemented an agentic pipeline with FastAPI and Supabase for email parsing, RAG eligibility reasoning, and automated claim submission.

Radar Coverage Optimization - Thales Collaboration | Feature Engineering, Constraint Optimization

Jan 2026

- Developed a radar site placement optimizer computing terrain-aware visibility across multiple flight levels.
- Engineered a reusable Streamlit tool applying constraints and ranking candidate radar deployment sites.

InsightFlow - Infosys Hackathon Finalist | Agentic AI, NLP, Sentiment Analysis

Jul 2025

- Built a multi-agent campaign optimization dashboard for marketing intelligence and performance monitoring.
- Implemented API integrations, sentiment analysis, and automated agent workflows to generate campaign insights.

AuraSentinel - Les Mousquetaires Collaboration | Federated Learning, Computer Vision, PET

Apr–Jun 2025

- Designed a computer vision pipeline detecting suspicious retail behaviors from store camera footage in real time.
- Implemented federated learning with privacy-enhancing technologies (PET) for decentralized on-device training.

TECHNICAL SKILLS

Certifications: Java Programming Certificate (EPFL), IELTS (8/9 overall)

Programming Languages: Python, Java, SQL, HTML, MATLAB

Developer Tools: Git, VS Code, n8n, Logisim, Simulink, LaTeX

Libraries: NumPy, Pandas, Scikit-learn, Matplotlib, Plotly

Languages: French (native), Arabic (native), English (C1), Spanish (B1)