

Sherriff Kadiri

AI/ML Engineer — bridging CS research and engineering that ships

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Edmonton, AB — Citizenship: Canadian (eligible to work in Canada) — Open to remote & relocation

SUMMARY

AI/ML engineer who turns computer-science research into software that actually ships. BSc Computer Science; MSc in progress (GPA 3.9, AI/ML focus). I design and evaluate LLM/RAG systems end to end, train CNNs on real datasets, and deliver full-stack and mobile products backed by automated CI/CD. Eighteen months evaluating LLM outputs and large-scale NLP, vision, and speech data sharpened my instinct for model quality, prompt sensitivity, and failure modes.

SKILLS

- **AI/ML & LLM Systems:** RAG architectures, vector search (ChromaDB), SentenceTransformers, prompt engineering, anti-hallucination guardrails, AI agent design, automated LLM evaluation; OpenAI, Anthropic & Ollama+Gemma APIs; TensorFlow, Keras, Scikit-learn, PyTorch, OpenCV, Hugging Face; CNNs & deep learning, reinforcement learning, EDA, feature engineering, model evaluation
- **Programming & Data:** Python (fluent), JavaScript/TypeScript, Java, C/C++, SQL, Bash; pandas, NumPy, Jupyter
- **Web, Mobile & Cloud:** React, React Native, Flutter/Dart, Firebase, Node.js, REST APIs, MVVM, HTML/CSS, WordPress; AWS, Azure, GCP, Docker, Kubernetes, CI/CD (GitHub Actions, GitLab), Git, Agile/Jira; AI-assisted development with **Claude Code** and GitHub Copilot
- **Soft:** End-to-end ownership and bias to action; fast, self-directed learner; clear communication with non-technical stakeholders; team leadership (Scrum Master); detail orientation and accuracy
- **Languages:** Fluent in English

EDUCATION

University of Colorado Boulder, Boulder, CO

MSc. Computer Science — GPA 3.9, AI/ML focus

In Progress

(Open to pausing for the right role)

University of Calgary, Calgary, AB

BSc. Computer Science

Dec 2023

Certifications: Alberta Machine Intelligence Institute (Amii), 2023 — 5 applied machine-learning courses; University of Alberta — Reinforcement Learning Specialization (Coursera, 4 courses + capstone)

EXPERIENCE

DataAnnotation

Data Analyst / AI

Remote

Jan 2024 – Present

- Evaluated large language model outputs for accuracy, quality, and hallucination across NLP, computer vision, and speech, building practical intuition for model quality, prompt sensitivity, and failure modes.
- Annotated and quality-controlled large-scale datasets used to train production ML models, collaborating with ML engineers to refine labelling strategies and evaluation rubrics.
- Applied data-privacy and responsible-AI standards while working self-directed in a distributed remote team.

Self-Employed

Freelance Web Developer

Remote, Edmonton, AB

2022 – Present

- Delivered small-business websites end to end (WordPress and hand-coded HTML/CSS), working directly with non-technical owners from requirements through deployment and maintenance.

Cashco Financial

Loan Origination Specialist

Edmonton, AB

Aug 2025 – Nov 2025

- Managed origination workflows for a six-person team overseeing a \$1.2M portfolio, maintaining 100% compliance with provincial lending regulations across five provinces — a precision and compliance mindset that transfers directly to regulated AI work.

PROJECTS

Portfolio Assistant RAG Chatbot (Python, ChromaDB, SentenceTransformers, Ollama + Gemma 2B) 2025

- Architected an end-to-end retrieval-augmented generation system: semantic chunking, query normalization, top-*k* vector retrieval with deduplication by chunk type, and a strict anti-hallucination system prompt constraining the local LLM to retrieved context.
- Built an automated evaluation layer scoring faithfulness, relevance, completeness, and accuracy, then iteratively tuned prompts and retrieval parameters against it. Developed with **Claude Code**.

End-to-End ML/DL Project Reports, x4 (TensorFlow, Keras, Scikit-learn)

2024 – 2025

- Trained CNN classifiers on BreakHis histopathology (7,909 images, ~83% validation accuracy) and Kaggle PCam (220,025 patches, ~85% validation accuracy), using batch normalization, dropout, and AdamW.
- Covered the full workflow — EDA, class-imbalance correction, feature engineering, hyper-parameter experiments, and evaluation via confusion matrices and loss/accuracy curves — with reproducible, documented methodology.