

Kerod Sisay

AI Engineer / Agentic Systems and LLM
Applications

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PROFESSIONAL SUMMARY

AI engineer with 2+ years of experience building and shipping agentic applications, LLM workflows, RAG systems, and the APIs and data pipelines behind them. Delivered internal tools used in real workflows, including an MCP-based human-in-the-loop system that turns unstructured inputs into approved database actions and a job-application platform that generates and evaluates tailored resumes and cover letters. Hands-on with Python, FastAPI, model APIs, vector databases, evaluation, retrieval, data engineering, and full-stack delivery. Also leads technical training across AI, machine learning, data science, and data engineering.

CORE SKILLS

Agentic AI and LLMs	Agentic workflows · MCP · tool use · structured outputs · prompt design · LLM evaluation · OpenAI API · Google Gemini · Hugging Face
RAG and retrieval	RAG · embeddings · vector search · RAGAS · Weaviate · Pinecone · Milvus · NLP
Backend and software	Python · FastAPI · REST APIs · PostgreSQL · SQL · TypeScript · Next.js · React · Docker · Git
Data and machine learning	Airflow · dbt · Pandas · scikit-learn · DVC · Amazon QuickSight · data pipelines · model evaluation

PROFESSIONAL EXPERIENCE

AI Engineer · 10 Academy · Remote	Apr 2024 – Present
- Designed and built the Intelligent Form System, an MCP-based agentic application that extracts structured data, requests missing information, supports human review, and executes approved database actions. - Built a job-application asset generator used by trainees to create role-focused resumes and cover letters, with LLM-based relevance and consistency evaluation. - Build and maintain the back-end APIs, data pipelines, and full-stack features that support the training platform and its internal workflows.	
Project Delivery Coordinator · Tenacious Intelligence	Apr 2026 – Present
- Support end-to-end delivery of client projects, turning client needs into actionable tasks with the project manager and product owner. - Schedule and prioritize work across teams, acting as the bridge between internal teams and the client. - Coordinate weekly client calls (agendas, updates, follow-ups) and track progress, flagging blockers early to keep delivery on time and to the expected quality.	

Lead Tutor (promoted from Technical Tutor) · 10 Academy · Remote

Oct 2025 – Present

- Lead the tutoring track for two cohorts that graduated around 350 trainees, approximately 250 of them women.
- Coordinate and mentor the tutoring team across AI, data engineering, data science, and machine learning programs.
- Guide trainees from technical fundamentals through project delivery.

Technical Tutor · 10 Academy · Remote

Apr 2024 – Oct 2025

- Tutored across seven cohorts that graduated more than 400 trainees in AI, data engineering, data science, and machine learning.

SELECTED PROJECTS

Intelligent Form System · 10 Academy | Internal product

Agentic AI · MCP · LLMs · Full-stack

- Built the agentic workflow, MCP integrations, and front-end interface used by the internal team.
- Turned documents, links, and plain text into structured records, requested missing information, and executed approved database actions after human review.

Résumé Tailoring & Scoring · 10 Academy | Internal product

GenAI · LLMs · Evaluation

- Built a tool that generates role-focused resumes and cover letters from a trainee's existing experience and a selected job.
- Implemented LLM-based relevance and consistency evaluation, with side-by-side human review before trainees use the generated documents.

Contract Q&A RAG · Portfolio project

RAG · LLMs · RAGAS · Python

- Built a retrieval-augmented generation pipeline for answering questions over long legal contracts with supporting context.
- Used RAGAS to evaluate retrieval and generation quality while iterating on the pipeline.

GitHub repository

Amharic RAG Ad Builder · Training project

RAG · Hugging Face · Amharic NLP · FastAPI

- Developed a RAG pipeline with open-source language models to generate context-aware Amharic advertising copy.
- Exposed the workflow through FastAPI and explored retrieval behavior for a low-resource language.

GitHub repository

Automated BI Reporting Pipeline · Tenacious Intelligence | Client project

dbt · QuickSight · Data Engineering · Automation

- Independently built a dbt reporting layer over more than 1TB of source data and 7.2M reporting rows.
- Delivered Amazon QuickSight dashboards with scheduled daily refreshes, replacing a manual reporting process the client described as taking days.

EDUCATION

M.Sc. in Mechanical Engineering · Addis Ababa University

Dec 2021 – Jul 2024

B.Sc. in Mechanical Engineering · Dire Dawa University

Dec 2014 – Jul 2019