

AKADU ANSLEM

<https://www.linkedin.com/in/anslem-akadu/><https://github.com/Anslemakadu><https://anslemakadu.github.io/portfolio/>

Skills

- Programming & Data: Python, SQL(PostgreSQL, MySQL), Pandas, Numpy, PySpark, Excel
- Machine Learning: Supervised & Unsupervised ML, scikit-learn, XGBoost, Random Forest, Prophet, Feature Engineering, Model Evaluation
- Deep Learning & AI: PyTorch, TensorFlow/Keras, Hugging Face Transformers, LLM fine-tuning (QLoRA, adapters), SentenceTransformers, NLP pipelines.
- MLOps & Deployment: FastAPI, Flask, Docker, AWS (EC2, S3), Git/GitHub, Linux (Ubuntu), Bash automation, llama-cpp-python
- Visualization & BI: Power BI, Tableau, Matplotlib, Seaborn

Work Experience

ML/AI Engineer – LifeBank (Nigeria) Ltd – HealthTech & Medical Logistics May 2025 – Present

- Fine-tuned Gemma 1B with QLoRA for domain-specific hospital finance tasks (instruction alignment + domain adaptation).
- Migrated AI system from Gemma to Qwen, boosting reasoning depth and scalability while reducing inference latency by 20%.
- Automated AWS EC2 GPU training with Bash, reducing setup time by 40% and lowering compute costs.

Data Scientist (Financial Systems) - LifeBank (Nigeria) Ltd – HealthTech & Medical Logistics Jan 2025 – Apr 2025

- Built ML models for hospital finance forecasting (profitability, liquidity, leverage, efficiency) using XGBoost + Prophet.
- Designed hybrid-weighted models (80% naive logic + 20% ML) for robustness on sparse datasets.
- Implemented revenue & cash flow predictions with regressors (hospital size, state).
- Surfaced early warning signals of negative cash flow for proactive hospital decision-making.

Data Scientist (Healthcare Forecasting) - LifeBank (Nigeria) Ltd – HealthTech & Medical Logistics Oct 2023 – Dec 2024)

- Developed time-series forecasting pipelines for blood supply, oxygen, and medical stocks, reducing stock-out risk by 20%.
- Enhanced Equipment system with predictive maintenance ML models for early equipment servicing.
- Delivered a forecasting engine, providing healthcare teams with scenario simulations to improve planning for critical supplies.

Projects

ElevatrAI — Open Source AI Career Assistant 2025

- Developed a Flask-based web app with modular architecture (app/, resources/, data/, templates/) for career guidance in tech.
- Built a skill-to-role recommender system using SentenceTransformers embeddings + cosine similarity for fuzzy skill matching.
- Engineered JSON-driven data pipelines (roles, skills, learning resources) to enable scalable roadmap generation
- Tech: Flask · SentenceTransformers · scikit-learn · cosine similarity · JSON · HTML/CSS · GitHub

LLM FastAPI Boilerplate - Open Source 2025

- Built a production-ready FastAPI + Docker backend for serving GGUF/llama models via llama-cpp-python with Pydantic request/response types.
- Exposed configurable inference params (temperature, top_p, top_k), health checks, CORS, and OpenAPI docs; containerized for reproducible deploys.
- Deployed endpoints (/generate, /chat, /health) on Hugging Face Spaces with inference config for CPU/GPU targets.
- Tech: FastAPI · Pydantic · Docker · llama-cpp-python · GGUF · Hugging Face Spaces · GitHub Actions

Education

BACHELOR OF SCIENCE IN COMPUTER SCIENCE :

Institut Supérieur Saint Paul Tarse University – Cotonou, Benin Republic.

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