

Amidu Dabor

00100 Nairobi, Kenya | (+254) 795455796 | [Email](#) | [LinkedIn](#) | [Website](#)

PROFESSIONAL SUMMARY

Results-driven Software Engineer and AI/Machine Learning specialist with over 5 years of hands-on experience spanning professional roles in telecom and IT education, complemented by hands-on project work and specialized training in large-scale software engineering, backend development, and applied machine learning. Proficient in Python, Django, Flask, FastAPI, Javascript, SQL, and Machine Learning tools, including scikit-learn and TensorFlow. Experienced in deploying models and building data-driven solutions using cloud platforms, including Azure, GCP, AWS, Modal, and Gradio, driving innovation through collaborative, impact-oriented development.

SKILLS

- **AI & Machine Learning:** AI Engineering · Deep learning · Computer vision · Conversational AI · Generative AI · NLP · LLMs · Multimodal LLMs - MLLMs · LLM Fine-Tuning · AI Automation · AI agents · Prompt engineering · Predictive modelling · Optimization & quantization · RAG pipelines · LangChain · Huggingface · Huggingface transformers · AI Ethics & Compliance
- **Frameworks/Tools:** TensorFlow · PyTorch · Keras · Scikit-learn · NVIDIA NeMo · ASR/TTS · Kubernetes (k8s) · NVIDIA NGC · GPU-Accelerated Pipelines
- **Data Science & Analytics:** Data Analysis · Exploratory Data analysis (EDA) · Data extraction · Data preprocessing · Feature engineering · Statistical modelling · Forecasting · synthetic data generation · Data workflow design & optimization
- **Tools & Platforms:** Python · SQL · Pandas · NumPy · SciPy · Matplotlib · Plotly · Seaborn · Azure ML studio · BigQuery ML · BigQuery ML · Vertex AI · Power BI · Tableau · Weights & Biases · VS Code · Jupyter notebook · Google Colab · Torch
- **Software Development & Backend:** Python (Django, Flask, FastAPI) · HTML · CSS · Javascript · Node.js · React · RESTful APIs · Microservices · Serverless architectures · Docker · SQL · NoSQL · VS Code · PyCharm · Selenium · BeautifulSoup · Web Crawling and Scraping · Agile methodologies · Mermaid - syntax
- **Cloud & DevOps:** Azure · Azure DevOps · GCP · AWS · Vertex AI · IaC/Automation (Terraform · Ansible · Azure Resource Manager · Bicep) · CI/CD (Git · GitHub Actions · GitLab · Cloud Automation · Bash · PowerShell) · ZeroTier Network
- **Additional Skills:** Mobile App Development (Flutter & Dart) · R · Java · C++ · project management tools
- **Soft Skills:** Ability to collaborate with teams across different time zones and geographies · Strong problem solving and debugging skills · Great attention to detail · Communication · Ability to work independently · Customer Service · Creative writing

EDUCATION

United States International University - Africa (USIU-Africa)

MSc., Information Systems and Technology (Software Engineering)

Jan 2023 - Jun 2025

Nairobi, Kenya

Njala University

BSc. (Honours) · Computer Science

Oct 2016 - Jun 2020

Freetown, Sierra Leone

- **Achievements:** Graduated with Honours (Top 5%) · Distinction in Internship & Final Year Project · Dean's List recognition

Njala University

Higher Diploma · Information Technology

Oct 2014 - Jun 2017

Freetown, Sierra Leone

- **GPA:** scored up to 4.7/5.0

- **Achievements:** Graduated with Distinction · Consistently Top in Class with Dean's List recognition

WORK/PROJECT EXPERIENCE

Independent Projects, Academic Research, and Professional Development

Jan 2023 - Present

AI/ML Engineer and Applied Data Science Specialist

Nairobi, Kenya

- Engineered a Selenium-powered web crawler and scraper to autonomously extract and structure academic content from a multi-layered university website, enabling vectorized retrieval for a LangChain-based AI assistant delivering real-time, context-aware support.
- Built and deployed a FastAPI regression model for real-time housing price prediction with integrated preprocessing and RESTful inference.
- Achieved 73%+ accuracy in semantic similarity detection using BERT ([CLS] embeddings + cosine similarity) with Hugging Face Transformers.
- Tracked model performance and training metrics by running reproducible MLOps experiments with Weights & Biases.
- Built core functionality of a Django-JavaScript web app to manage academic support tickets; additional features, including advanced resolution tracking, are in progress.
- Achieved 96.7% accuracy in diagnosing breast cancer by building an XGBoost classifier for malignant vs. benign tumor detection.

- Achieved 95% accuracy predicting customer conversions and Click-Through-Rates (CTR) using Kernel SVM, driving targeted marketing strategies in social network ads.
- Designed an LLM-powered source-to-source code translator to optimize performance across languages (e.g., Python → C++).
- Built an autonomous multi-agent deal finder to track best offers via real-time RSS alerts.
- Built interactive dashboards in Power BI and Tableau to visualize hotel KPIs and HR metrics, driving data-informed decisions.
- Identified financial trends and investment-impact patterns in startup data using linear regression analysis.

QCell (SL) Ltd

IT/Convergent Billing System (CVBS) Engineer

Apr 2021 - Dec 2022

Freetown, Sierra Leone

Department: IT/Convergent Billing System (CVBS) Department

- Optimized service delivery by automating SFTP file detection and retrieval using Python and Cron jobs, demonstrating strong programming skills and a foundation for scalable algorithm development.
- Maintained “five nines” (99.999%) network uptime by proactively monitoring critical systems, responding swiftly to incidents, and escalating issues as needed, ensuring high service availability and operational continuity in a telecom environment.
- Supported regulatory data accuracy by developing the front-end web app interface for integrating the Subscriber Data Configuration (SDC) device with QCell’s ECR system.
- Delivered reliable and consistent customer service and subscribers support, contributing to day-to-day technical operations and demonstrating effective communication and cross-functional collaboration skills.

Competency Development Services (CDS)

IT Instructor & System Support Engineer

May 2020 - Mar 2021

Freetown, Sierra Leone

Department: IT Department

- Enhanced student engagement and digital literacy through practical, interactive IT training, leveraging modern technological tools to foster analytical and technical skills.
- Achieved “four nines” (99.99%) device uptime by providing responsive IT support and ensuring training hardware and software remained fully operational, supporting smooth delivery of technical education programs.
- Contributed to the refinement of the ICT curriculum through continuous updates and the integration of current technology practices, supporting collaborative development and a data-driven approach to educational innovation.

LEADERSHIP & COMMUNITY ENGAGEMENT

Eminent Family Organization

Secretary General (Former) - Member

Jul 2012 - Present

Freetown, Sierra Leone

- Coordinated and led outreach programmes, delivering educational materials to underserved schools.
- Promoted youth leadership, critical thinking, and civic engagement by organizing community events such as debates, quizzes, and mentorship sessions.
- Served as a key contributor to the organization’s governance framework through participation in the constitutional drafting and review process.
- Promoted inclusive participation by ensuring gender-balanced representation and effective stakeholder communication.

HONOURS/RECOGNITIONS/WORKSHOPS

- **BSc. in Computer Science, Njala University (Oct 2016 - Jun 2020):** Graduated with Honours (Top 5%), Distinction in Internship & Final Year Project, Dean’s List Recognition
- **Higher Diploma in IT, Njala University (Oct 2014 - Jun 2017):** Graduated with Distinction, GPA up to 4.7/5.0, Consistently Top in Class with Dean’s List Recognition
- **Experts Live Kenya 2024 - Microsoft (Data & AI), Jul 2024 -** Engaged in discussions on Data & AI, earning recognition and a commemorative t-shirt for contributions.
- **Google I/O Extended Nairobi 2024 -** Selected Attendee (AI & Data), Jul 2024 - An exclusively organized event for developers and professionals, with engagements in advanced sessions on AI and Data.
- **Explore the Power of Technology - Ericsson (Tech Trends & Career Networking), Sep 2024 -** Engaged with industry leaders on tech trends, career opportunities, and skill applications while expanding professional networks.

TRAINING CERTIFICATES

- **LLM Engineering: Master AI, Large Language Models & Agents:** Udemy
- **Complete Data Science Bootcamp:** Udemy
- **Learn Everything about AI Bootcamp (AI & ML Training):** Microsoft Learn Student Ambassador/DevTown
- **Workplace Professionalism & Career Development:** Riziki Source/Accenture

LANGUAGE SKILLS

- English (High proficiency) · Krio (Native)