

Evans Kipsang Kiptenten

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Education

B.Sc. Electrical and Electronics Engineering

Dedan Kimathi University

Expected: Dec 2025

Relevant Coursework: Data Structures, Problem Solving, Machine Learning

Experience

Engineering Intern – Electrical and Maintenance

Kenya Power

Jan 2024 – May 2024

- Assisted in inspection, maintenance, and troubleshooting of electrical power systems and transformers.
- Supported load balancing, preventive maintenance, and fault diagnosis on-site.

Member – Data Science and AI Club (DSAIC)

DEKUT

Feb 2024 – Present

- Implemented research papers and built machine learning models in NLP and computer vision.
- Collaborated in teams to deploy Python-based ML projects using Scikit-learn and PyTorch.

Skills

Languages: Python, Java, SQL, Bash, Rust

Tools & Frameworks: FastAPI, Flask, Airflow, Spark, Kafka

Cloud: AWS (EC2, S3, Lambda), Docker, GitHub Actions

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB

Others: Git, Linux, CI/CD

Projects

Semantic Book Recommendation System (LLM-based)

GitHub

- Built a semantic book recommendation system using LangChain, HuggingFace models, and ChromaDB for vector storage.
- Integrated Gradio for an interactive user interface and prototyped with Jupyter notebooks.
- Tech: Python, LangChain, Sentence Transformers, ChromaDB, Gradio, Pandas, Matplotlib.

LLM-based Assistant for Smart Factories (Final Year Project)

In Progress

- Designing a conversational AI assistant to support operations, diagnostics, and maintenance in industrial environments.
- Leveraging LLMs and domain-specific context to enhance factory floor efficiency.

Achievements

- Solved 50+ problems on LeetCode (and growing), focusing on data structures and algorithms.
- Participated in 3+ hackathons focused on real-world problem-solving using ML and software engineering.