

BRIAN GITHINJI

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Education

Jomo Kenyatta University of Agriculture and Technology

Juja, Kenya

Bachelor of Science Financial Engineering.

Expected Graduation Date [June, 2026]

- Financial Modeling, Algorithmic Trading, Portfolio Optimization;
- NSE Stock Challenge Finalist, 2023
- Vice Chair – JKUAT Financial Engineers Association, JKUAFE
- Liturgical dancers Moderator, Catholic Community, CATCOM

Moringa School

Nairobi, Kenya

Data Science Bootcamp.

April, 2024 – Nov, 2024

- Developed predictive models, recommendation systems and data dashboards using Python, SQL, Tableau and R

Experience

Sowphie

Remote

Data Science Intern

January, 2025 - March, 2025

- Designed credit scoring model for 500+ farmers using XGBoost and SHAP, achieving 89% predictive accuracy
- Engineered in-app data pipeline aggregating agricultural and financial records across 6+ metrics (yield, irrigation, profit, etc.)
- Generated and validated synthetic datasets simulating farm scenarios to enhance model training and performance
- Collaborated with developers and analysts to align scoring logic with fintech and agri-credit standards
- Integrated weather and insurance variables into risk assessments, improving model fairness and adaptability

Upwork

Remote

Freelance Data Analyst

May, 2024 – January 2025

- Built Python-based financial models improving revenue forecasting accuracy by 22%
- Automated reports for 15+ SMEs using SQL/Python, reducing processing time by 35%

Leadership & Activities

Jomo Kenyatta University Association of Financial Engineers, JKUAFE

Juja, Kenya

Vice Chair

March, 2025 - Present

- Organized financial literacy workshops for 100+ students
- Led team in NSE Stock Challenge (Top 10% finish)

Economics Students Association of Kenya, KESA

Member

- Facilitated peer-led discussions on economic policy and financial inclusion initiatives

Technical Projects

Credit Risk Classification Model

- Built an XGBoost model with SHAP analysis to evaluate loan applicant risk. [Click Here](#)

A Personalized Skincare Product Recommendation System

- Built Melanin Recommender, a hybrid recommendation system for personalized skincare product suggestions based on skin type and user preferences. [Click Here](#)

Skills & Interests

Technical: Python, SQL, R, Tableau, Git

Language: English, Swahili

Interests: Financial markets, AI, Fintech

Soft Skills: Analytical Thinking, Attention to Detail, Strong Communication