

# Alfred Mulinge Maweu

Data Analyst & Quantitative Researcher

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**LinkedIn**

## Professional Summary

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A passionate quantitative analyst with expertise in predictive modeling, financial analytics, and data-driven decision making. My interdisciplinary approach combines rigorous statistical methods with cutting-edge technology to solve complex real-world problems across industries. Known for creativity, diligence, and an unwavering commitment to achieving excellence.

## Education

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### Strathmore University

March 2024 – November 2027

*Bachelor of Science in Statistics and Data Science*

- Specializing in predictive analytics and econometric modeling with coursework spanning machine learning, statistical computing, and business intelligence applications
- Produced the top-ranked report on a food prices dataset, outperforming all first- and second-year cohorts
- Head of Data Science at Strathmore University entrusted with Islamic Banking research work

## Professional Experience

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### USAID — ACDI/VOCA — RLA

January 2025 – Present

*Data Analyst*

- Conducting comprehensive data analysis on the Russia-Ukraine conflict impacts
- Developing predictive models for humanitarian response planning
- Creating frameworks for economic recovery prioritization
- Reporting directly to UN stakeholders with actionable insights for crisis mitigation

### SecureAid

2025

*Web Platform Developer*

- Prototyped a digital solution to mitigate corruption in fund disbursements for aid programs
- The live prototype is accessible at [secureaid.online](https://secureaid.online)

### DealFuze (UK VC)

2025

*Algorithm Developer*

- Developed a matching algorithm to connect investors with founders based on aligned goals and investment readiness

- Worked under the mentorship of Noella Spitz, Senior Developer

## iLab Africa

October – November 2024

### *Food Prices Analysis*

- Delivered an award-winning analysis of food prices, recognized for its depth and accuracy
- Applied advanced tools including R, LaTeX, statistical modeling, and data visualization

## Wall Street Data Analyst Coaching

Ongoing

### *Mentored by Dr. Karanja Gacuca*

- Handpicked for one-on-one mentorship based on exemplary analytical reporting
- Developing advanced analytics and decision-making frameworks

## Enkaare

February – March 2025

### *Data Analyst*

- Developed talent matching algorithms and data-driven recruitment strategies
- Created comprehensive marketing strategy through market research

## Black Panther TKN

January – March 2025

### *Crypto Economics Consultant*

- Designed probabilistic models for tokenomics and reward distribution algorithms
- Developed mathematical frameworks for sustainable token valuation

## Technical Skills

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- **Predictive Analytics:** Advanced statistical modeling, time series forecasting, machine learning
- **Data Science:** Python (Pandas, NumPy, SciPy, TensorFlow), R, statistical modeling
- **Web Development:** React
- **Financial Modeling:** Quantitative analysis, risk assessment, algorithmic trading strategies
- **Data Visualization:** Matplotlib, Seaborn, Plotly, Tableau, PowerBi
- **Database Management:** SQL with supabase, PostgreSQL, MongoDB, Firebase

## Projects

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### TengaPesa Platform

2025

#### *tengapesa.onrender.com*

- A proposed enhancement to M-PESA enabling users to create purpose-specific mini-wallets
- Features include configurable lock mechanisms and withdrawal conditions for disciplined financial planning. Still working on it.

## MemVault Platform

2025

*memvault.onrender.com*

- Designed and developed a planning platform combining journaling, event scheduling, and photo storage
- A fusion of journal, Google Calendar, and Google Photos with a focus on privacy and usability

## Kenyan Food Price Analysis

2024

*Longitudinal Study (2006–2024)*

- Developed econometric models to identify key drivers of price volatility
- Created policy recommendations using ARIMA and VAR methodologies

## TransparentTrack NGO System

2024

*Blockchain Solution*

- Developed end-to-end solution for transparent fund disbursement
- Implemented with Django, React, and Hyperledger Fabric

## BizLens SME Management Platform

2024

*Mobile Application*

- Built comprehensive business management solution with React Native
- Integrated computer vision for product recognition

## Certifications

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- Olympiad Teacher Certification (CEMASTE & University of Nairobi, December 2023)
- Huawei Data Analytics Certification

## Math

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- Represented Kenya in the East African Mathematics Olympiad (2024)
- Achieved 7th place nationwide in the 2023 Mathematics Olympiad
- Achieved 4th place nationwide in the 2023 Brookside National Mathematics Contest held at Mang'u Girls
- Peer Counsellor at Nairobi School, fostering personal growth for peers

## Volunteer Experience

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### Growth to Mathare City Movement

*Financial Consultant and Speaker*

- Conducted financial literacy workshops for community empowerment
- Delivered motivational speeches to inspire youth development

*Volunteer note taker*

- Assisted in taking notes that would be later on used to help better understand the meeting's minutes.

## Research & Publications

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- Comprehensive analysis of Islamic banking customer acquisition strategies
- Agribusiness market research with private equity applications
- War impact analysis for UN humanitarian response planning

## Professional Development

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- Blockchain and cryptocurrency market analysis
- NGO management and impact measurement frameworks
- Financial modeling and quantitative analysis certification

## Interests

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- Swimming
- Mathematics
- Community development

## Referees

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**Noella Spitz**  
Senior Developer, DealFuze

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Senior Compliance, Risk, Quality and Strategist, NSSF

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