

REHEMA KEMUNTO NYANG'AU

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PROFILE

A versatile technical professional with a BSc. in Mathematics (Statistics) and a comprehensive skillset spanning the entire data lifecycle. Expert in translating complex datasets into strategic solutions through statistical modeling, machine learning, and process automation. Demonstrated ability to build end-to-end technical pipelines, from raw data extraction and cleaning (SQL/Python) to predictive analysis and interactive visualization (Power BI/Tableau). Passionate about leveraging code and automation to solve business problems.

EDUCATION

Bachelor of Science in Mathematics (Statistics Major) | University of Nairobi | 2019 – 2024

TECHNICAL SKILLS

Programming and Analysis: Python (Pandas, NumPy, Scikit-learn, Prophet), R.

Business Intelligence: Power BI (DAX, Power Query, Data Modeling), Tableau, Excel.

Statistical Software: SPSS, STATA, PSPP.

Database Management: SQL (Querying, Joins, Aggregations).

Automation & Engineering: n8n (Workflow Automation), ETL Pipeline, API Integrations.

Data Science: Machine Learning (Regression, Classification, XGBoost), Time-Series Forecasting, Hypothesis Testing.

Soft Skills: Technical Documentation, Stakeholder Communication, Problem Solving, Adaptability.

EXPERIENCE

Analyst Intern | KultureHire | October 2025 – Present

- **Data Quality Engineering:** Developed and executed rigorous data validation protocols using Excel and Python, reducing dataset errors and improving data quality scores by 20%.
- **User Analysis:** Conducting market gap analysis and defining user journey maps to align product strategy with customer needs.
- **Strategic Reporting:** Developed comprehensive reports and presentations, translating technical findings into actionable insights for executive decision-making.

Data Analyst Trainee | School of Statisticians | April 2025 – November 2025

- **Workflow Automation:** Engineered automated data workflows using n8n, which reduced manual data processing time by 50% and ensured data consistency across multiple systems.
- **Exploratory Analysis:** Utilized R and Python to perform EDA on large-scale datasets, identifying trends, outliers, and correlations for client projects.
- **Validation Frameworks:** Designed and implemented data integrity checks that maintained 100% accuracy across reporting deliverables.

FEATURED PROJECTS

1. Automated Sales Forecasting System (Python & Prophet)

- **Objective:** Predict future demand to optimize inventory planning.
- **Solution:** Built a 365-day time-series forecasting model incorporating external variables (pricing, inventory).
- **Impact:** Improved prediction accuracy by 30% over historical baselines and visualized confidence intervals for risk assessment.

2. E-Commerce Performance BI Solution (Power BI)

- **Objective:** Analyze sales performance, profit margins, and return rates globally.
- **Solution:** Designed an interactive dashboard with dynamic filtering and complex DAX measures.
- **Impact:** Identified top-performing product categories, enabling data-driven inventory decisions and reducing dead stock.

3. Customer Churn Prediction Model (Machine Learning)

- **Objective:** Identify at-risk customers to prevent revenue loss.
- **Solution:** Built a predictive classification model achieving 85%+ accuracy. Performed feature importance analysis to pinpoint root causes of churn.
- **Impact:** Provided the marketing team with a targeted list for retention campaigns.

CERTIFICATIONS

- Commonwealth Bank Introduction to Data Science Job Simulation on Forage - October 2025
- Deloitte Australia Data Analytics Job Simulation on Forage - August 2025
- Tata Group Data Analytics Job Simulation on Forage - June 2025
- Quantum Data Analytics Job Simulation on Forage - May 2025
- Accenture North America Data Analytics and Visualization Job Simulation on Forage - May 2025
- Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage - February 2025
- JPMorgan Chase & Co. Quantitative Research Virtual Experience Program on Forage - October 2025
- Exploratory Data Analysis with excel, Great Learning, 2024
- Data Analysis with Python - Freecodecamp - 2024