

# Nyerere, Julius Nyambok

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Data Scientist

Portfolio: [julius-nyerere.dev](https://julius-nyerere.dev)  
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A highly skilled data scientist with experience in designing, developing, and implementing data-driven solutions. Proven ability to perform statistical analysis, build and deploy models, and transform complex datasets into actionable insights. Expertise in data warehousing, ETL processes, and data quality assurance. Strong understanding of agile methodologies and experience in collaborating with cross-functional teams to deliver impactful results.

## SKILLS

<b>Programming:</b>	Python, SQL, JavaScript
<b>Frameworks:</b>	Cross Industry Standard for Data Mining (CRISP-DM), Scikit-learn, TensorFlow
<b>Visualization:</b>	Power BI, Tableau, Microsoft Excel
<b>Versioning and CI/CD:</b>	GitHub Actions, GitLab CI/CD, Git
<b>Data Transformation:</b>	dbt
<b>Orchestration:</b>	Apache Airflow
<b>Cloud Computing:</b>	Azure, AWS
<b>Infrastructure-as-code:</b>	Terraform
<b>Other skills:</b>	Data Cleaning and Transformation, Data Quality Assurance, User-Centric Data Visualization, Data Analysis for Decision-Making, Cross-Functional Collaboration

## TECHNICAL EXPERIENCE

### SERVICE DESK ANALYST

March 2023 - Present

Kenya Commercial Bank Group (KCB)

Nairobi, Kenya

- Engaged stakeholders to understand business requirements and implement solutions, gathering project user requirements, documenting user needs, and performing data checks on project management data of over 11,000 employees.
- Developed a scalable and maintainable data model for the Instana monitoring tool for reporting and successfully led into production
- Enhanced operational efficiency by creating interactive dashboards and ad-hoc analysis using Power BI to track project progress, leading to a 50% increase in reporting efficiency.
- Spearheaded the re-engineering and automation of standard operating procedures using tools such as Python, SQL and Microsoft Power Automate, which led to the improvement of 4 key functional areas
- Successfully collaborated with cross-functional teams to improve data foundational procedures, guidelines, and standards, and develop best practices for data management, maintenance, reporting, and security

### GRADUATE DATA ANALYST

August 2022 - January 2023

Tropical Heat Group

Red-Hill, Kiambu

- Developed, maintained, and conducted exploratory data analysis on sales data using Microsoft Excel that improved reporting of 20 million KSH worth of sales with 97% on-time delivery.
- Supported the sales field team in providing technical assistance and front-line support to the 30+ agents across the country.
- Championed collaboration across departments by defining goals, metrics, and success criteria, contributing to a 20% upturn in sales in 2022.

### DATA ANNOTATOR/ ANALYST

April 2021 - August 2022

Cloudfactory Kenya

Remote, Worldwide

- Collected, cleaned, and analyzed large datasets, transformed raw data from customer receipts into usable formats for machine learning and other analytical purposes. Implemented data quality assurance procedures to ensure data accuracy and consistency.
- Demonstrated strong data management skills by sorting and preparing documents for data entry, applying data cleaning and transformation techniques to prepare data for analysis.

## EDUCATION

Bachelor Of Science In Informatics And Computer Science(Second Class Upper Honors)

Strathmore University

## ACHIEVEMENTS AND OTHER WORKS

Certifications include **Google Data Analytics certificate** and **IBM Data Scientist certificate**

Intermediate Data Science Mentor at **Everything Data** - mentoring young, inquisitive data enthusiasts

Currently pursuing **AWS Certified Solutions Architect - Associate** and **AWS Certified Machine Learning Engineer - Associate** certifications

Founder/Chief Editor of 'Data, AI and Beyond' publication on [Medium](https://medium.com) on ML/Data topics; contributor to TowardsAI/Dev Genius.