

CONSTANCE SYOMBUA

PROFESSIONAL SUMMARY

Highly analytical professional with 3+ years of experience in IT, analytics, technical systems, and data-driven processes. Possess a bachelor's degree in informatics and computer science with direct experience in process modeling and data analysis. Keen on data integrity within critical systems and translating complex datasets into actionable insights.

WORK EXPERIENCE

Revolution Analytics-Data Scientist; Nairobi, Kenya

January 2025-June 2025

- Preprocessed and cleaned over 300 financial datasets to ensure data quality for model development.
- Developed and trained machine learning models with an average accuracy of 80% to support predictive and analytical projects.
- Researched and selected optimal technology stacks and methodologies for machine learning projects, extensively documenting the process to improve project efficiency.
- Developed and presented data visualizations to communicate key findings and insights.

Strathmore University-Lab Assistant; Nairobi, Kenya

January 2022-December 2024

- Delivered end-user training and technical guidance on essential software tools to over 50 staff and students across an average of 3 daily sessions, driving digital tool adoption.
- Enforced data protection protocols within a shared operational environment, maintaining strict access management across multiple user groups.
- Successfully troubleshooted and resolved hardware and software issues on an average of 30 computers weekly, maintaining stability for critical systems.

Ainunu Investment-Digital Applications Analyst; Kampala, Uganda

January 2024-March 2024

- Led a team of 4 analysts to extract strategic insights, which drove continuous improvement across digital platforms.
- Performed quantitative data analysis and process to develop a plan to improve operational efficiency by 15% and improving key KPIs.
- Conducted research and analysis of Cloud services, contributing to the foundational understanding required for external IT provider coordination and system design proposals.

SKILLS

Data Analysis: Excel, SQL, Python, Data Cleaning, Data Preprocessing, Machine Learning, Data Visualization, Power BI

Systems Operations: ICT Support, Hardware Maintenance, Network Management, System Troubleshooting, Access Management, Data Protection Protocols, M365 Tools, Smartsheet, Airtable

Communication & Process Enablement: PowerPoint, User Training, Technical Documentation, Process Modeling, Workflow Optimization, Data Storytelling, Report Writing, Insight Communication

EDUCATION

Strathmore University-Nairobi, Kenya.

Bachelor of Informatics and Computer Science

Relevant Coursework: Python, Quantitative and Qualitative Analysis, Statistics, Databases, Agile Methodology, Automation.

iLab Africa-Nairobi, Kenya.

Certificate in Data Analytics and Visualization

Relevant Coursework: Python, Excel, Data Analytics, SQL, Business Intelligence, Data Cleaning and Preprocessing.

CERTIFICATIONS ([Link: https://drive.google.com/drive/u/1/folders/17d8EI3y4-C7qe4FIHE0IE-GHIEl2vChL](https://drive.google.com/drive/u/1/folders/17d8EI3y4-C7qe4FIHE0IE-GHIEl2vChL))

- Algebra with Python | Data Analysis with Python | Data Visualization | Machine Learning | Internet Governance | Mastering GRC with Oreno-Governance, Risk, and Compliance | Internet Governance AI STEM.

PERSONAL PROJECTS; GitHub Link: <https://github.com/Constance322>

Aid Funding Dashboard

- Built an end-to-end Python, SQL, Power BI system to reveal regional funding gaps.
- Delivered a clear dashboard enabling leaders to prioritize investments using clean, comparable grant-need insights.

Inventory Forecasting Tool

- Calculated standardized drought response rates using Python and built an Excel-ready forecasting template.
- Enabled instant demand projections and procurement priorities for faster, data-driven field planning.

Weekly Business Performance Dashboard

- Developed a React/Tailwind dashboard with KPI cards and trend visualizations using JavaScript data structures.
- Added a Data Provenance panel ensuring full transparency, auditability, and trusted business reporting.

ACHIEVEMENTS

- Received **Service to Society Award** (Strathmore University) for high impact community engagement.
- Featured in **Graduate Spotlight Article**, Strathmore University in recognition of service in 4 years.
- Guidance to scholarships and university admission for 4 vulnerable youth from the Mukuru slums.
- Finalist out of 20 innovators to participate in **GLC HP Strathmore Hackathon; AI for EdTech Innovations**.
- Awarded two Full Scholarship for BSc Computer Science program (2020) and the Data Analytics Certification.