

Ian Riua Muriu

Data Analyst | Python & SQL Developer | Data Science & IT Specialist

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Nairobi-Kenya

SUMMARY

Data Analyst with a Bachelor's degree in Business Information Technology and strong expertise in Python, SQL and machine learning. Experienced in developing predictive models, automating ETL pipelines and creating interactive dashboards in Power BI and Tableau to enhance reporting efficiency and support data-driven decision-making. Proven ability to bridge IT systems and analytics, delivering scalable, business-focused solutions that drive operational improvements and strategic insights.

SKILLS

- ❑ **Programming & Development:** Python (pandas, NumPy, scikit-learn, XGBoost), SQL (queries, optimization, stored procedures), API integration, ETL pipelines, Git/GitHub
- ❑ **Data Analysis & Visualization:** Data cleaning & wrangling, Exploratory Data Analysis (EDA), statistical modeling, regression, hypothesis testing, Power BI, Tableau, matplotlib, seaborn, Dashboard Development, Reporting Automation
- ❑ **Machine Learning & AI:** Supervised & unsupervised learning, model training & evaluation, feature engineering, hyperparameter tuning (GridSearchCV/RandomizedSearchCV), predictive analytics, NLP basics
- ❑ **Data Engineering:** Database management, pipeline automation, ETL processes, data warehousing concepts
- ❑ **Business & Analytics Tools:** Microsoft Excel (advanced), Jupyter Notebook, Agile/Scrum collaboration, Business Intelligence (BI) tools
- ❑ **IT & Systems Support:** Network configuration (LAN/WAN), troubleshooting, system administration, IT security best practices.

EXPERIENCE

Data Analyst Intern (Volunteer) | The Nairobi Hospital

October 2025– Present | Nairobi Kenya

- ❑ Collect, clean, and analyze datasets to identify trends and key performance indicators.
- ❑ Build interactive dashboards in Power BI and Tableau to communicate insights.
- ❑ Use Python and SQL for automation, data extraction, and visualization.
- ❑ Collaborate with cross-functional teams to translate business questions into data-driven solutions.
- ❑ Support senior analysts in developing predictive models and performance reports.

Front End Developer | Ciphercom Limited
January 2024–September 2024 | Nairobi Kenya

- ❑ Developed and maintained responsive, user-friendly interfaces using **HTML, CSS, JavaScript and React**, improving customer engagement and usability.
- ❑ Collaborated with back-end developers to integrate **RESTful APIs**, ensuring seamless data exchange and smooth functionality across systems.
- ❑ Translated design wireframes into functional UI components, delivering a consistent and visually appealing product.
- ❑ Built **reusable code libraries** and optimized application performance, reducing page load times and supporting scalability.
- ❑ Ensured UI/UX designs met technical feasibility standards and implemented best practices in **validation, accessibility and security**.

Information Communication Technology Intern | Ministry of Education
Feb 2023 - Jan 2024 | Kirinyaga County

- ❑ Supported the **Digital Literacy Programme** by training teachers and assisting in classroom technology adoption.
- ❑ Developed and curated **e-learning content**, aligning with curriculum standards to enhance student engagement.
- ❑ Provided on-site technical support for devices, networks, and digital platforms, ensuring smooth integration of ICT in teaching.
- ❑ Promoted **safe and ethical use of technology** and contributed to policy development on ICT practices in education.

Assistant System Administrator | Thika School of Medical Health Sciences
Jan 2020 - Apr 2020 | Thika

- ❑ Installed, configured, and maintained staff workstations and local networks (LAN/WAN).
- ❑ Troubleshoot hardware, software, and networking issues, ensuring minimal downtime.
- ❑ Digitized records through data entry and supported reporting processes with daily activity summaries.

IT Technician | Ministry of Interior
Jul 2019 – Sep 2019 | Kibwezi

- ❑ Managed **new system user accounts**, database backups, and server monitoring.
- ❑ Set up and maintained LAN infrastructure, ensuring system availability and reliability.
- ❑ Performed **hardware/software maintenance** and trained staff on data entry and verification systems.
- ❑ Cleaned, verified, and corrected data for accuracy, producing daily progress reports.

EDUCATION

Mount Kenya University | Bachelor of Business Information Technology

Jan 2017-Jul 2022

- ❑ Built a foundation in **IT infrastructure, database management, programming and business systems**.
- ❑ Developed skills in bridging **technology with business solutions**, including digital transformation strategies.

- Gaining practical expertise in **Python, SQL, machine learning and data visualization**.
- Hands-on projects in **data preprocessing, model evaluation and predictive analytics**.

REFERENCES

- **Wycliffe Migiro** – Data Analytics Officer, Nairobi Hospital
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- **Simon Ndung'u** – Ciphercom Limited
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- **John Gichuki** – Ministry of Education, Kirinyaga East
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- **Anthony Anyasi** – Thika School of Medical Health Sciences
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- **Peter Mungai** – Ministry of Interior, Kibwezi Birth & Death Office
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