

Brian Kimutai

Data Scientist | Data Analyst | Machine Learning Developer

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SUMMARY

Data Scientist and Analyst with hands-on experience in Python, SQL, Power BI, Tableau, and Excel. Skilled in building predictive models, dashboards, and data pipelines to drive strategic decisions. Strong in data storytelling, statistical analysis, and machine learning. Passionate about transforming complex datasets into simple, actionable insights.

SKILLS

Programming Languages: Python, SQL

Data Science & Analysis: Data Cleaning, EDA, Feature Engineering, NLP, Time Series Analysis, ETL, Statistical Analysis, A/B Testing, Hypothesis Testing

Data Visualization & BI: Tableau, Power BI, Excel

Web Development: Django, Flask

Mark-up & Styling: HTML, CSS, SASS

Database Systems: PostgreSQL, MySQL

DevOps & Tools: Git, Azure DevOps, Docker

EXPERIENCE

Junior Data Analyst | Prompt BI

Feb 2025 – present | Nairobi, Kenya

- Refined data workflows and optimized complex SQL queries, improving the real-time BI platform's response time by 25%, enhancing data accessibility for stakeholders.
- Tested and validated data pipelines pre-launch, ensuring 99% data accuracy and reliability for business decision-making.

Data Science Fellow | Moringa School

July 2024 – February 2025 | Nairobi, Kenya

- Built and deployed predictive models that improved client insights accuracy by 15% through rigorous statistical analysis and A/B testing.
- Developed scalable ETL pipelines on Azure, reducing data processing time by 30% and streamlining data ingestion workflows.
- Monitored machine learning models in production, improving system performance and reducing model drift.

IT Attaché | County Government of Kericho

July 2022 – October 2022 | Kericho, Kenya

- Installed and configured Windows/Linux operating systems for over 50 staff, enhancing operational efficiency.
- Managed IT asset inventory, ensuring 100% tracking of software licenses and hardware components, reducing loss and downtime.
- Developed backend applications with Django, integrating machine learning APIs to automate data-driven services.
- Created interactive dashboards that reduced report generation time by 40%, supporting timely decision-making at the local government level.

PROJECTS

Data Engineering Project | Russia-Ukraine War Data Pipeline

June 2025 – Present

[Project link](#)

- Developed an ETL pipeline in Python to extract and transform Kobo Toolbox data, loading it into PostgreSQL.

- Cleaned data, standardized formats, and computed total soldier casualties using Pandas.
- Integrated Power BI to visualize casualty trends, combat intensity, and territory occupation.
- Automated data loading with psycpg2 and secured credentials using dotenv.
- Enabled near real-time analytics with a modular, scalable pipeline

Data Visualization Project | Climate Change Insights Dashboard

March 2025 – April 2025

[Project link](#)

- Built an interactive Tableau dashboard to track global climate trends and environmental risks.
- Visualized metrics such as AQI, temperature variability, precipitation, and extreme weather.
- Designed monthly comparison tools and KPIs for anomaly detection.
- Enabled assessment of economic and infrastructure vulnerability by region.
- Applied calculated fields to monitor climate shifts with intuitive visual cues

Machine Learning Project | Diamond Price Prediction

September 2024 – January 2025

[Project Link](#)

- Built an end-to-end ML pipeline for automated data collection, validation, and storage.
- Engineered features, handled missing values, and scaled data to improve model performance.
- Trained Random Forest, XGBoost, and Linear Regression models for accurate price prediction.
- Developed a Flask API for real-time diamond price predictions.
- Containerized the entire pipeline using Docker, ensuring seamless deployment across environments.
- Implemented logging & error handling for better debugging and system reliability.

EDUCATION

Bachelor of Science in Computer Science | Karatina University

August 2019 – May 2023

- Specialized in data science and machine learning.
- Built a strong foundation in algorithms, data structures, programming, and systems design.

Data Science Certification | Moringa School

July 2024 – March 2025

- Completed intensive training in Python, SQL, machine learning, and data visualization.
- Gained hands-on experience through real-world projects and collaborative problem-solving.

REFEREES

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