Emmanuel Ouma
Junior Data Analyst & AI Engineer
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⊘ [LinkedIn](#) ◇[GitHub](#) ◇[Portfolio](#)

SUMMARY

Junior Data Analyst & AI Engineer with a background in Actuarial Science. Skilled in Python, SQL, Power BI, and Excel with hands-on experience in real-world projects across M-Pesa, COVID-19, and retail analytics. Passionate about delivering actionable business insights through data and building AI-powered solutions.

PROFESSIONAL EXPERIENCE

Freelance Data Analyst
Remote | Jan '24 – Present

- Analyzed sales, customer behavior, and inventory data for local retail and FMCG businesses.
- Delivered interactive dashboards and reports using Excel and Power BI, improving client decision-making.
- Built forecasting models in Python to aid clients in demand planning and inventory control.
- Designed and managed MySQL databases for academic and business data storage needs.
- Provided data-driven recommendations that improved business profitability and operational efficiency.

Data Clerk
National Hospital Insurance Fund (NHIF)
Nairobi, Kenya | Jan '23 — Apr '23

- Supported national-level data entry and validation of healthcare records.
- Improved data accuracy and accessibility by aligning entry protocols with staff training.

Enumerator
Ministry of Labour and Social Protection
Embakasi East, Nairobi County | Oct '23 — Nov '23

- Collected and digitized socio-economic data from over 100 vulnerable households.
- Achieved a 95% response rate and contributed to full geographic coverage.

EDUCATION

Bachelor of Science in Actuarial Science, Mount Kenya University
2021 — 2024 |

CERTIFICATIONS

- **AI for Software Engineering** — Power Learn Project *(Feb '25 – ongoing)*
- **Programming in Python (Beginner to Advanced)** — Udemy
- **Data Analysis with SQL, Power BI & Excel** — Coursera

PROJECTS

- **Sukari Guru Business Analytics** – Analyzed sales, customer behavior, and inventory trends using Python & Power BI.
- **Strategic Lending Acquisition Analysis** – Forecasted loan disbursement and repayment trends using ARIMA to support lending strategies.
- **COVID-19 Data Analytics** – Visualized COVID-19 trends across East Africa using Python and Power BI.
- **M-Pesa Transaction Dashboard** – Built an Excel dashboard analyzing December 2024 M-Pesa transactions.
- **Accident Analytics Dashboard** – Developed a Power BI dashboard for Indian road accident data analysis.
- **Student Records System** – Created a MySQL database to manage academic records and student profiles.

🔗 **GitHub Portfolio**: ◇GitHub

SKILLS

Programming: Python, SQL, JavaScript, HTML/CSS
Frontend Development: HTML, CSS, JavaScript
Data Analysis: Excel, Power BI, Pandas, Matplotlib, Seaborn, Forecasting, Machine Learning
Development Tools: Git, Jupyter, VS Code