

PROFESSIONAL SUMMARY

Data Analyst with 3+ years of experience using Power BI, SQL, and Python to deliver business intelligence solutions and automate reporting. Proven ability to translate raw data into actionable insights. Passionate about solving real-world problems through data, especially in finance, infrastructure, and development sectors.

SKILLS

- Power BI (DAX, dashboard design)
- SQL (PostgreSQL/MySQL)
- Python (Pandas, NumPy, Matplotlib, Jupyter)
- Data Cleaning & Transformation
- Excel (PivotTables, VLOOKUP, Power Query)
- ETL & Reporting
- Git/GitHub
- Stakeholder Communication

PROJECTS

1. Boston Housing Price Prediction | Python & docker

March 2025

- Developed a Linear Regression model to predict housing prices using the Boston Housing Dataset.
- Performed comprehensive data preprocessing, exploratory data analysis (EDA), and feature engineering to optimize prediction accuracy.
- Packaged and deployed the predictive model in a Docker container, ensuring portability, scalability, and smooth deployment across different environments.
- Delivered performance evaluation reports and documented actionable insights for real estate investment decisions.

2. Financial Performance Analysis Dashboard | Excel & Power BI

Jan 2025

- Analyzed and visualized company-wide financial KPIs like profit margins, cost centers, and revenue streams.
- Created dynamic dashboards to support monthly and quarterly business reviews for senior leadership.
- Enabled early detection of budget variances and cost overruns.

3. Employee Performance & Resource Distribution Dashboard – Excel

September 2024

- Designed an interactive Excel dashboard to analyze employee performance and track water meter distribution by region.
- Transformed and processed client's data by using DAX and Excel to ensure data completeness and validity
- Utilized pivot tables, slicers, and dynamic charts for real-time filtering and visual reporting.
- Consulted with client to determine the best metrics to be displayed on final product

4. Customer Sales Analysis - SQL & POWERBI

May 2024

- Utilized SQL to extract data from 8 different related tables from customer sales databases using JOIN and VIEW
- Transformed and filtered data by using aggregating and filtering function to improve reporting process
- Loaded and visualized data with PowerBI to identify key business intelligences that can improve sales performance

WORK EXPERIENCE

1.Data Analyst – Tana Water Works Development Agency

August 2022 – Present

Performed data collection, analysis, and visualization to support strategic planning, regulatory compliance, and operational efficiency.

KEY ACHIEVEMENTS

- Analyzed over 2 years' worth of operational and financial data to uncover trends that contributed to a 10% improvement in resource utilization across departments.
- Designed and deployed interactive KPI dashboards using Excel and Power BI, increasing performance reporting efficiency by 30% and enabling timely decision-making at the executive level.
- Partnered with cross-functional teams to develop data models and visual reports that improved compliance tracking and informed project prioritization, resulting in a 15% reduction in non-compliance incidents.
- Conducted predictive analysis using historical financial data to inform annual budgeting and resource allocation, improving forecast accuracy by 20%.

2. Junior Data Analyst – National Hospital Insurance Fund (NHIF) *January 2021 – July 2022*

Supported data-driven decision-making by gathering, cleaning, and analyzing healthcare and claims data to improve efficiency and service delivery.

Key Achievements:

- Cleaned and analyzed over 500,000 health insurance claim records, identifying trends and anomalies that helped reduce fraudulent claims by 12%.
- Automated monthly claims and utilization reports using Excel and SQL, decreasing report generation time by 40% and increasing accuracy.
- Created visual dashboards to track member enrollment and service usage trends, leading to a 9% increase in member retention initiatives.
- Collaborated with actuarial and IT teams to streamline data pipelines, improving data accessibility for policy review and strategic planning.

EDUCATION

September 2024-Present

1.Masters of science in data analytics -kcau

Kenya College of Accountancy University (KCAU) – Nairobi, Kenya

Majors: Machine Learning, Data Visualization, Big Data Analytics, Data Mining, Statistical Modelling, Business Intelligence, Database Management, Predictive Analytics.

2.Bachelor of Science in Statistics and programming

December 2020

Kenyatta University – Nairobi, Kenya

Majors: Statistical Inference, Data Mining, Time Series Analysis, Database Systems.

CERTIFICATIONS

- **Google Data Analytics Professional Certificate** – Coursera
Gained hands-on experience with data cleaning, analysis, and visualization using spreadsheets, SQL, and R.
- **Microsoft Certified: Power BI Data Analyst Associate** – Microsoft
Demonstrated expertise in preparing, modeling, visualizing, and analyzing data using Power BI.
- **IBM Data Analyst Professional Certificate** – Coursera
Covered Python, SQL, data visualization, and data analysis techniques.
- **Excel for Data Analysis** – LinkedIn Learning
Mastered advanced Excel functions including pivot tables, VLOOKUP, Power Query, and data visualization tools.
- **SQL for Data Science** – Coursera (offered by UC Davis)
Learned how to extract, filter, and aggregate data using SQL for real-world analysis.