DAVID AKOTO AGYEI

Data Analyst

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PROFESSIONAL SUMMARY

Data Analyst with 3+ years of experience working cross-functionally across software development, digital design, and IT support. Proven ability to support technology, finance, and business teams through data-driven analysis, process improvement, and system optimization. Skilled in requirements gathering, process mapping, report, and automation using Python, SQL, Excel, and Power BI. Experienced in building data pipelines, developing performance dashboards, and translating business needs into actionable solutions. Adept at documenting processes, collaborating with cross-functional teams, and driving strategic decision-making through accurate insights.

TECH STACK

Data Tools: SQL, Python, R (familiar), Excel (Advanced), Power BI.

Statistical Skills: Regression, forecasting, hypothesis testing, predictive modelling

Data Handling: Data cleaning, wrangling, mining, automation

Programming: Python, SQL, HTML, TypeScript, Dart

Frameworks: Angular, Flutter

Libraries: Pandas, NumPy, Matplotlib, scikit-learn

Soft Skills: Problem-solving, stakeholder communication, cross-functional teamwork, presentation, documentation

WORK EXPERIENCE

Data Analyst

Generation Ghana, Accra - Ghana

AUGUST , 2025.

- Collected, cleaned, and analyzed large datasets using Python, SQL, and Excel to identify trends and generate actionable insights for business stakeholders.
- Designed and developed interactive dashboards in Power Bi to communicate KPIs and performance metrics to stakeholders, improving decision-making efficiency by 30%.
- Built and optimized data pipelines to automate reporting processes, reducing manual workload and increasing accuracy.
- Applied statistical modelling and forecasting techniques to support business planning and predict future trends.
- Collaborated with cross-functional teams to translate business requirements into technical solutions, ensuring analytics aligned with organizational goals.

Digital Design

Kr8tive Impakt ,Tema - Ghana

MARCH , 2025.

- Designed and delivered digital assets, graphics, and visuals to support brand strategy and client objectives.
- Created data-driven visual content and infographics that simplified complex information for diverse audiences.
- Collaborated with marketing and development teams to ensure visuals aligned with business goals.

Software Developer & IT Support Specialist
Ghana Library Authority ,Accra - Ghana
SEPTEMBER, 2023

- Designed, developed, and maintained web applications and internal systems to support internal operations - Complaint Webapp
- Built and optimized databases using SQL, ensuring secure, accurate, and efficient data storage and retrieval.
- Applied an A/B testing to Ensure Product Accuracy.
- Design and integrated APIs to Develop a Telegram Bot to Automate results .
- Provided technical support, troubleshooting, and system enhancements that improved user experience and reliability.
- Gained strong exposure to data management and system architecture, laying the foundation for advanced analytics and reporting.

EDUCATION & CERTIFICATIONS
DATA ANALYSIS PROGRAM,
Generation Ghana,
AUGUST , 2025.

BSC. INFORMATION TECHNOLOGY,
GHANA COMMUNICATION TECHNOLOGY UNIVERSITY,
OCTOBER , 2023.

PROJECTS
Title: MediHealth Sales Performance Analysis and Insights
The MediHealth Sales Performance project analyzes sales data and Business Operation using Power BI to uncover trends, evaluate regional and customer performance, and provide insights to improve profitability and customer retention.[Link]

Title: Factors Contributing to Heart Disease
Analyzed factors that contribute to Heart Disease and ways to prevent it . Cleaned and analyzed the data for insights using Microsoft Excel, Power Bi] [Link]

Title: Tour Booking Analysis Overview
Analyzed Trends and Performance Indicators for StreamFlix. Cleaned , analyzed and presented the data to stakeholders to make strategic business decisions] [Link]

Title:Tracking Price of USD and Yen
Developed and Web App that Tells the current Trading Price of the USD and the Yen on the trade market [Link]

PORTFOLIO
[My Portfolio]