

# MICHAEL KODUA BOAMAH

## DATA ANALYST

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### PROFESSIONAL SUMMARY

Highly motivated and results-driven Data Analyst with a strong foundation in data analytics, project planning, and cross-functional collaboration. Proficient in SQL, Python, Excel, and Power BI, with a focus on transforming data into insights and data driven solutions. Experienced in collaborating with diverse teams and stakeholders. Committed to data integrity, data security and delivering measurable impact to support business decisions, innovation, and development.

### DATA ANALYST BOOTCAMP GRADUATE

#### Generation Ghana

April 2025 – July 2025

- Created and presented data visualizations using Power BI resulting in better presentation skills and a deeper understanding of data storytelling.
- Employed Python and APIs to retrieve, clean, and analyze data, delivering meaningful insights improving my expertise.
- Demonstrated strong teamwork and problem-solving skills through group projects resulting in successful project completion and achievement of team goals.
- Developed confidence in presenting complex data insights to stakeholders, leading to enhanced communication skills and increased self-assurance in professional settings.
- Thrived in high-pressure and challenging environments, collaborating with individuals from various backgrounds, fostering a cooperative and productive work environment.
- Used SQL to extract data from databases to showcase understanding of using SQL to perform analysis.
- Utilized Python to create simple interactive programs that performed calculations and number guessing functions.
- Used Python libraries to perform simple machine learning tasks that predicted results.

### VOLUNTEER

Accra Metropolitan Assembly | Accra, Ghana

November 2023 – August 2024

### TECH STACK:

**Languages:** Python, SQL

**Libraries:** Pandas, NumPy, Seaborn, Plotly, Statsmodels, Requests, Scikit-learn, Matplotlib.

**Data Visualization:** Advanced MS. Excel and Power BI.

**Tech Skills:** Data cleaning, Statistical methods, AI proficiency, Data mining techniques, VLOOKUP and XLOOKUP, Wrangling, Data security and ethics

**Soft Skills:** Data storytelling, Active listening, Communication, Leadership, Collaboration, Prioritization, Interpersonal Skills and Problem-Solving

### EDUCATION & CERTIFICATIONS

**Generation Ghana | 2025**

Generation Data Analysis Program 2025

**Kwame Nkrumah University of Science and Technology | 2018 – 2022**

BSc. Development Planning

### PROJECTS

**Title: UK Rail Service Data Analysis Project**

Conducted analysis on a UK train service dataset to uncover insight and patterns using data cleaning, visualization, segmentation and statistical analysis to support operational and customer service improvements.

**Title: Restaurant Data Insights Project**

<ul style="list-style-type: none"><li>● Utilized Excel to clean and analyze program data resulting in more actionable insights for project decisions and plans using summarized data.</li><li>● Conducted data entry of institution data on online platform for performance test resulting in scoring over 90% in this criteria.</li><li>● Trained staff on how to use a newly built web-based data platform developed to improve data compilation and transparency, improving my data communication skills and leadership.</li><li>● Cleaned and processed datasets for accurate analysis, reporting, and visualization which allowed me to incorporate my skills in excel to prepare data and visualize it.</li><li>● Supported in updating stakeholders on projects and program statuses improving my communication and presentation skills.</li></ul> <p><b>PLANNING OFFICER - INTERN</b> <b>Accra Metropolitan Assembly   Accra, Ghana</b> <b>November 2022 – November 2023</b></p> <ul style="list-style-type: none"><li>● Utilized Excel to clean and analyze institution financial data resulting in more actionable insights for project decisions, plans and stakeholder update.</li><li>● Designed a comprehensive data collection and Monitoring and Evaluation framework for assessing project performance and impact, ensuring alignment with Sustainable Development Goals.</li><li>● Led institution data consolidation and upload on a web-based platform to track institution performance.</li><li>● Collaborated with stakeholders in project implementation in different sectors such as health, education, and capacity building to execute planned project completion.</li></ul> <p><b>PLANNING OFFICER - INTERN</b> <b>La Nkwantanang-Madina Municipal Assembly   Accra, Ghana</b> <b>June 2021 – July 2021</b></p> <ul style="list-style-type: none"><li>● Supported planning staff in preparing reports and presentations for stakeholder meetings.</li><li>● Assisted in formulating comprehensive annual, quarterly and project monitoring reports.</li><li>● Analyzed data trends and presented insights to enhance project planning and implementation.</li></ul>	<p>Performed exploratory data analysis on a restaurant dataset to uncover insights, applying data cleaning, visualization, and segmentation techniques to support data-driven decision-making.</p> <p><b>Generation Ghana</b></p> <p><b>Title: Power BI Project</b></p> <p>Created a visual report using Power BI desktop and created a dashboard using Power BI Service.</p> <p><b>Title: A Number Fun Fact Game</b></p> <p>Built a Python tool that demonstrates API-driven data augmentation by retrieving facts for user-input, highlighting external data integration.</p> <p><b>Accra Metropolitan Assembly</b></p> <p><b>Title: Accra Metropolitan Assembly Annual report - 2023, 2024.</b></p> <p>Utilized Excel to visualize institutions financial performance to support resource allocation for sustainable planning.</p> <p><b><u>INTERESTS</u></b></p> <p>Tracking industry trends in technology.</p> <p>Reading analytics, self development and decision-making books.</p> <p>Group discussions on relevant and passionate topics.</p> <p>Continuous learning.</p> <p><b><u>PORTFOLIO</u></b></p> <p>GITHUB PROFILE: <b><u>Profile</u></b></p> <p>PORTFOLIO WEBSITE: <b><u>Portfolio</u></b></p> <p><b><u>REFERENCES</u></b></p> <p>Available upon request in compliance with Data Protection Regulations.</p>
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