

# JOSEPH CALEB JOHNSTON

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Golf City, Tema – Ghana (GA Region)

Data Analyst & Software Engineer with over 3 years of experience in Python, SQL, Power BI, and machine learning, combining strong technical expertise with proven leadership and mentoring skills. Certified through IBM's Data Science Professional Certification, I have built interactive dashboards, predictive models, and data pipelines for cost optimization and performance tracking. Experienced in guiding teams, managing projects, and delivering data-driven insights, I am passionate about empowering aspiring analysts to develop technical and freelancing skills for global success, including personal branding and client acquisition on platforms like Upwork and Fiverr.

## EDUCATION

### Kwame Nkrumah University of Science and Technology

B.S. in Computer Science

Kumasi, Ghana

Graduation, Nov 2023

- **Concentrations:** AI, Internet of things and Web Development.
- **Grade:** Second Class Upper.
- **Related Coursework:** Data Structures & Algorithms, Backend Programming, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications, and Internet of Things.

## CERTIFICATIONS

### IBM Data Science Specialization

Coursera

Data Science Professional Certification

Graduation, Nov 2024

- **Concentration:** Python and SQL for Data Analysis, Visualization and Machine Learning (AI).
- **Related Coursework:** Data Science Methodology, Python Programming, SQL for Database Management, Web scrapping, Data Analysis, Data Visualization, Data annotation, Machine Learning (AI).

## EXPERIENCE

### Volta Aluminum Company Ltd.

Tema, Ghana

Assistant Manager

Nov 2023 – Present

- Mentored interns on Python scripting, data analysis, and dashboard creation, enabling smoother project handovers.
- Performed **data analysis on lunch consumption** data, which led to cost savings of approximately **5%** through pattern detection and optimization recommendations.
- Collaborated with cross-functional teams to develop data collection applications for **safety and operational improvement**.

### Votex365 Ghana

Tema, Ghana

Co-Owner and Business Development Director

Apr 2023 – Present

- Developed and executed **strategic business plans** to expand client base, resulting in **40% growth in new clients**.
- Led **market research and data analysis** to identify emerging trends and opportunities for business expansion.
- Negotiated contracts and built partnerships with corporate clients, strengthening revenue streams.

## PROJECTS

### Predicting Rocket Launch First Stage Reusability

KNUST, Kumasi

Coursera (IBM Data Science Specialization)

Mar 2022 – July 2022

- Developed an end-to-end data science pipeline, integrating data from SpaceX REST APIs, web scraping, and SQL for launch analysis.
- Created interactive dashboards (Plotly Dash, Folium) to visualize launch trends and outcomes.
- Built and evaluated machine learning models (Logistic Regression, SVM, Decision Trees) for predicting rocket first-stage reusability.

### PIMS (Process Information Management System)

KNUST, Kumasi

Volta Aluminium Company Limited

Mar 2025 – Ongoing

- Designed and implemented a SQL Server database system to automate data collection, reporting, and monitoring for technical process control teams.
- Built ER diagrams, stored procedures, and reporting pipelines, improving data accuracy and reducing redundancy.
- Initiated API development using .NET (Entity Framework) to integrate reporting dashboards and streamline workflows.

## **SKILLS**

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**Technical:** Python (pandas, NumPy, scikit-learn, Matplotlib, Seaborn, BeautifulSoup), SQL, Power BI, Excel (pivot tables, formulas), C#, PHP.

**Data Visualization & BI:** Tableau, Plotly Dash, Folium, PowerPoint Storytelling.

**Business Skills:** Proposal writing, client relationship management, pricing strategies, Upwork/Fiverr (familiarity).

**Tools & Platforms:** Jupyter Notebooks, IBM Watson Studio, AWS, Git, Arduino, XAMPP, Bootstrap, REST APIs.

**Leadership & Mentorship:** Team leadership (projects at KNUST), mentoring junior team members, guiding self-learning initiatives.