

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

Kumasi, Ghana

B.S. in Computer Science

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 scraping, 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

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.