





John Evans Okyere

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Professional Summary

Data Scientist & Machine Learning Engineer with proven ability to **turn complex data into business value**. With hands-on experience in **SQL, AI, and machine learning**, I have delivered solutions that **boosted sales by 20%, optimized delivery operations, and reduced inefficiencies** in the e-commerce industry. My expertise spans building **predictive models, intelligent chatbots, and analytics dashboards** that directly support **data-driven decision-making**. I am passionate about creating **adaptive systems that learn and improve over time**, inspired by the way I explore and learn from nature's hidden trails.

Core Skills

- **Programming & ML:** Python, SQL, Pandas, NumPy, Scikit-learn, XGBoost, Random Forest, Clustering, Regression
 - **Web & Deployment:** Streamlit, Flask, FastAPI, HTML/CSS, MLOps practices
 - **Data Visualization & BI:** Tableau, Excel, Power BI (basic)
 - **Databases & Tools:** MySQL, Git/GitHub, Dialogflow, n8n, AWS Cloud
 - **Learning:** Deep Learning with PyTorch
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Professional Experience

Data Analyst – Shaq Express (E-commerce & Delivery Platform)

Accra, Ghana | 2024 – 2025

- Analyzed user, vendor, and product data, uncovering insights that boosted **sales by 20%**.
 - Built interactive **dashboards in Tableau & SQL** to monitor vendor performance, customer behavior, and revenue.
 - Identified causes of delivery inefficiencies, helping reduce **delays by 10%**.
 - Automated **weekly and monthly performance reports**, saving 8+ hours of manual work per week.
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Projects

- **Book Recommendation System (MLOps + Streamlit)** – Deployed a collaborative filtering system (KNN) with Streamlit, applying CI/CD best practices.
- **Order Tracking Chatbot (Dialogflow + FastAPI)** – Automated customer order queries, reducing support workload.
- **Customer Churn Prediction App** – Built a Streamlit app using **XGBoost** to predict churn risk and identify drivers.
- **Heart Disease Prediction App** – Developed a Flask web app powered by **Random Forest** for medical risk prediction.
- **Bank Term Deposit Predictor** – Built predictive model that earned acceptance into a graduate training program.
- **Attrition Analysis (IBM HR Dataset)** – Designed Tableau dashboards revealing HR attrition patterns.
- **World Happiness Analysis (Tableau)** – Created interactive dashboards for global insight storytelling.

Education

BSc Computer Science – C.K. Tedom University of Technology and Applied Sciences, Ghana | 2023

Certifications

- Google Data Analytics – Coursera (2024)
 - Intermediate Machine Learning – Kaggle (2024)
 - Managing Big Data with MySQL – Duke University
 - AWS Cloud Practitioner Essentials – AWS (2024)
 - Data Analysis with Python – FreeCodeCamp (2025)
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Leadership & Extracurriculars

- **SRC Welfare Chair** – CKT-UTAS (2023/2024)
 - **General Secretary** – NUPS-G CKT-UTAS
 - **SRC Executive Council Member** – CKT-UTAS
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