

John Evans Okyere

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PROFESSIONAL SUMMARY

Results-oriented Data Scientist and Analyst skilled in transforming data into actionable insights through advanced analytics and machine learning techniques. Proficient in Python, SQL, Tableau, and Flask, with experience in building predictive models, and interactive dashboards. Passionate about leveraging data science to solve business challenges and currently enhancing expertise in Deep Learning with PyTorch.

If you're looking for a dedicated professional who loves what he does and embodies curiosity, character, competence, and adaptability, I am confident that I am the ideal candidate for this position.

EDUCATION

BSc in Computer Science

C.K. Tedam University of Technology and Applied Sciences, Navrongo, Ghana

Graduation: 2024

TECHNICAL SKILLS

- **Programming:** Python
- **Web Development:** Flask, Streamlit, HTML, CSS
- **Data Analysis:** Tableau, Excel
- **Database:** SQL, MySQL
- **Machine Learning:**(XGBoost, Random Forest , Decision Tree, Linear Regression, Logistic Regression, Clustering)
- **Cloud Computing:** AWS
- **Currently Learning:** Deep Learning (PyTorch)

CERTIFICATIONS

- Google Data Analytics Professional Certificate – *Coursera (June 2024)*
- Kaggle Intermediate Machine Learning – *Kaggle (November 2024)*
- Managing Big Data with MySQL – *Duke University, Coursera (October 2022)*
- Foundations of Data Science: K-Means Clustering – *University of London, Coursera (July 2022)*
- AWS Cloud Practitioner Essentials – *AWS (2024)*

WORK EXPERIENCE

Data Analyst – *Shaq Express, Ghana (2024 – Present)*

- Leveraged MySQL to query complex datasets, driving actionable insights that increased sales by 20%.
- Designed Tableau dashboards to visualize key metrics, including vendor performance, customer demographics, and order distribution.
- Identified operational inefficiencies, reducing delivery delays by 10% and boosting revenue from frequent users by 15%.

Team Lead – *Gysbin Pharmacy Shop, Akyem-Kade (2016 – 2020)*

- Led a team of six to streamline operations and enhance customer satisfaction.
- Conducted sales data analysis, improving inventory management and boosting sales by 30%.

Branch Head – *Gysbin Pharmacy Shop, Akyem-Asuom (2020 – 2022)*

- Increased branch sales by 95% within six months using data-driven marketing strategies.
- Implemented cost optimization measures, tripling operational savings.

PROJECTS

Machine Learning and AI Applications

- E-commerce Churn Prediction App (Streamlit):
Developed a user-friendly app that predicts customer churn using XGBoost. The app provides actionable insights for improving customer retention.
- Heart Disease Prediction App (Flask):
Built a web application to predict heart disease risk using a Random Forest model.
- Iris Flowers Prediction App (Streamlit):
Created an interactive app using a Random Forest classifier to classify iris flower species.
- Penguin Prediction App (Streamlit):
Developed an app to classify penguin species based on physical attributes using a Random Forest classifier.

Data Analytics and Visualization

- IBM Attrition Analysis (Tableau):
Designed an interactive dashboard to visualize employee attrition trends, aiding HR in identifying key factors contributing to turnover.

- **Retail Strategy Analytics:**
Analyzed retail sales data to identify patterns, improve pricing strategies, and optimize inventory management.
- **World Happiness Analysis (Tableau):**
Explored global happiness trends and developed insightful visualizations to highlight correlations between happiness and economic factors.
- **Road Accident Analysis (Excel):**
Conducted root cause analysis and trend identification for road accidents, providing actionable insights for policy-making.

Customer Segmentation and Trend Analysis

- **Customer Segmentation Analysis:**
Applied K-Means clustering to segment customers based on purchasing behavior, enabling targeted marketing campaigns.
- **HR Analytics Dashboard (Tableau):**
Developed dashboards to monitor employee performance and identify areas for organizational improvement.

Deep Learning and Predictive Models

- **Real Estate Price Prediction (Python):**
Built a Linear Regression model to forecast property prices based on features such as location, size, and amenities.

EXTRACURRICULAR ACTIVITIES

- SRC Welfare Committee Chairperson, *CKT-UTAS (2023/2024)*
- SRC Executive Council Board Member, *CKT-UTAS (2023/2024)*
- General Secretary, *National Union of Presbyterian Students-Ghana, CKT-UTAS (2023/2024)*

CONCLUSION

With one year of hands-on experience as a Data Analyst, I bring a robust portfolio of writing SQL queries to solve complex task, expertise in machine learning projects, cloud computing expertise, and a proven ability to work effectively in teams. As an engaging storyteller and data-driven problem solver, I am passionate about uncovering insights that drive business success.