**Evalyne Wambui Githua**

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### ****Professional Summary****

**Certified Data Scientist & Machine Learning Specialist** | HR & Business Analytics | AI Solutions Developer

Results-driven Data Scientist with expertise in predictive modeling, statistical analysis, and machine learning (Python, TensorFlow, XGBoost). Proven ability to deliver high-impact solutions, including a 95.42%-accurate HR analytics model and automated workflows that reduce preprocessing time by 25%. Adept at translating complex data into actionable insights through Tableau dashboards and Flask APIs. Combines technical rigor with domain knowledge in HR analytics and forensic technology.

**Core Competencies**

**Technical**: Python (Pandas, Scikit-learn, TensorFlow), SQL, XGBoost, Flask API  
**Analytics**: Predictive Modeling, Statistical Analysis, A/B Testing  
**Tools**: Tableau, Power BI, Git, Jupyter, Excel  
**Domain Knowledge**: Analytics, Business Intelligence, Machine Learning

**Education**

**Diploma in Data Science & Analytics** | Zetech University *(Expected 2026)*  
**Certified Data Scientist** | African Centre for Data Science & Analytics *(Feb-Jun 2024)*

* 200+ hours: Advanced ML, CNN, Tableau, Big Data, Model Deployment (Flask)
* Capstone: End-to-end data pipeline execution

**Professional Experience**

**Machine Learning Intern** | Intern Career | Jul 2024

* Ranked **‘A’** among 50+ interns by optimizing ML models (Python), improving accuracy by **20%**.
* Automated data cleaning for 5+ datasets, reducing preprocessing time by **25%**.

**Data Science Consultant** | INX Future Inc. | 2024 *(Self-directed project)*

* Developed **XGBoost model (95.42% accuracy)** to analyze 1,200 employees, identifying **salary hikes (+48% correlation)** as key performance driver.
* Delivered actionable HR insights via [**interactive dashboard**](https://employee-performance-rating-e7cd5xyxkhkzabajbvsngs.streamlit.app/) (Streamlit).

**Deloitte Data Analytics Simulation** | Forage | Feb 2025

* Created forensic data dashboards (Tableau) and Excel reports for business decision-making.

### Job Shadowing Experience

**Job Shadowing Trainee – Diamond Trust Bank Kenya Limited (DTB)**  
April 28 – May 9, 2025 | Nairobi, Kenya

* Participated in the DTB Job Shadowing Programme, gaining exposure to the day-to-day operations and functions of a commercial bank.
* Demonstrated diligence and a strong willingness to learn while adapting quickly to banking processes.
* Acquired foundational professional skills applicable across multiple career paths, especially in financial services and business analytics.

**Technical Projects**

**Employee Performance Analysis** | Python, XGBoost, Tableau

* **End-to-End Pipeline**: Data cleaning → EDA → Hyperparameter tuning (GridSearchCV).
* **Impact**: Recommended policy changes projected to boost satisfaction by **30%**.

**Deep Learning (CNN) Basics** | TensorFlow *(Training Project)*

* Built image classification models during IABAC® certification.

**Certifications**

* **IABAC® Certified Data Scientist** (2024)
* **Deloitte Data Analytics Simulation** (2025)

**Key Achievements**

* **95.42% Model Accuracy**: Top-tier performance in self-driven HR analytics project.
* **Flask API Deployment**: Developed ML model APIs during certification.
* **Tableau Certified**: Designed dashboards for forensic and HR analytics.