**Adu, Ayomide Oluwanifesimi**

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# Professional Summary

Motivated and detail-oriented data analyst with hands-on experience in data analysis, machine learning, and data visualization. Proficient in Python, Excel, SQL, and key libraries like Pandas, NumPy, and Seaborn. Adept at cleaning, transforming, and analyzing data to extract actionable insights. Strong foundation in statistics and a growing portfolio of real-world projects in predictive modeling and dashboard development. Eager to apply analytical thinking in a fast-paced and data-driven environment.

# Education

**Federal University of Technology, Akure (FUTA)**

* M.Eng. in Civil Engineering (Awaiting result)
* B.Eng. in Civil Engineering (2016-2021)

**Robotics and Artificial Intelligence Nigeria (RAIN), Ibadan**  
Data Analytics & Data Science (June 2024 – Feb 2025)

* Developed expertise in supervised and unsupervised learning, recommenders’ systems, NLP, deep learning, and model deployment.
* Hands-on projects applying data science techniques to real-world problems.

# Technical Skills

* **Programming:** Python (NumPy, Pandas, Matplotlib, Seaborn)
* **Data Analysis:** EDA, data cleaning and pre-processing, feature engineering, visualization
* **Databases:** MySQL, PostgreSQL, SQLite
* **Tools:** Tableau (basic)
* **Machine Learning:** scikit-learn (Supervised & Unsupervised), model evaluation
* **Version Control:** Git/GitHub
* **Others:** HTML, CSS

# Professional Projects

**Sales Data Analysis & Business Insights**

* Worked on a sales dataset to extract key business insights using SQL and Python.
* Performed exploratory data analysis (EDA) to identify revenue trends and customer behaviors.
* Familiar with association rule learning (Apriori algorithm) for analyzing product relationships.

**Sample Superstore Dashboard (Tableau Visualization)**

* Designed interactive dashboards using Tableau to analyze sales, profit trends, and customer demographics.
* Applied data visualization techniques to uncover insights and improve business decision-making.
* Presented findings using dynamic charts, graphs, and KPI tracking.

**Applied Machine Learning Projects**

* Tools: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
* Worked on real-world datasets including **Stroke Prediction**, **Titanic Survival**, **Liver & Heart Disease Diagnosis**, **Loan Approval**, **USA Housing Prices**, and **Diamond Pricing**.

Key tasks and techniques included:

* **Data Preprocessing**: Handling missing values, outliers, and class imbalance; encoding categorical variables.
* **Feature Engineering & Selection**: Identified relevant features using different methods.
* **Model Building**: Applied logistic regression, decision trees, random forest, XGBoost, and support vector machines.
* **Model Evaluation**: Used cross-validation and performance metrics such as accuracy, precision, recall, F1-score, and ROC-AUC.
* **Hyperparameter Tuning**: Employed GridSearchCV and RandomizedSearchCV for optimization.
* **Workflow Automation**: Built end-to-end machine learning pipelines using Pipeline, FeatureUnion, and ColumnTransformer.

**AI Content Detection Platform**

* Developed a web-based app to detect AI-generated text.
* Utilized language model prompts and keyword analysis techniques.
* Deployed using Vercel; performed well under manual testing.

# Certifications & Training

* Robotics and Artificial Intelligence Nigeria (RAIN) – AI/ML Training (Certificate pending)

# Soft Skills

* Fluent in English (written & spoken)
* Fast learner, adaptable, and eager to contribute
* Ability to work independently and under supervision
* Problem-solving & analytical thinking
* Effective communication and teamwork
* Time management & multitasking

# References

Available on request.