

# HABEEB TEMITOPE AKANNI

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## SUMMARY AND INTERESTS

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Detail-oriented and results-driven **Data Scientist** with a strong foundation in statistical analysis and machine learning. Holds a **master's in data science** and proficient in leveraging **Python, SQL, Machine Learning, Deep Learning**, and **data visualization** tools such as **Power BI** and **Tableau** to derive actionable insights. Experienced in building **predictive models**, performing **data wrangling**, and automating workflows to improve decision-making processes.

## SKILLS

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- Programming Languages: Python (Pandas, NumPy, Scikit-Learn), SQL
- Machine Learning Algorithms: XGBoost, Decision Trees, Random Forest, SVM, Linear/Logistic Regression, KNN, K-Means
- Deep Learning: ANN, CNN, RNN, TensorFlow, Keras
- Data Visualization: Power BI, Tableau, Matplotlib, Seaborn
- Data Engineering: ETL Pipelines, Data Preprocessing, Feature Engineering
- Tools & Libraries: Jupyter, Git, PyTorch, Matplotlib, Seaborn, OpenCV, NLTK, Hugging Face
- Model Evaluation: Accuracy, Precision, Recall, F1-score, Cross-validation, Hyperparameter Tuning
- Version Control: Git, GitHub

## EXPERIENCE

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### Data Scientist Intern | FutureConnect, London, UK.

July 2023 – March 2024

- Developed predictive models using machine learning algorithms, achieving up to 95% accuracy in predictive maintenance models after fine-tuning.
- Led the data cleaning and preprocessing pipeline, ensuring high-quality datasets that improved model performance by 30%.
- Used Python and SQL to extract, clean, and process data, working with large, complex datasets.
- Designed and deployed ML models (e.g., XGBoost, Random Forest) for real-world problems, resulting in a 20% improvement in operational efficiency.
- Leveraged Power BI and Tableau for data visualization and model insights, improving business decision-making by providing actionable visual reports.
- Collaborated closely with the team to enhance existing models, contributing to a 70% increase in campaign conversion rates.

### Junior Data Scientist (Voluntary Service) |Dork Discovery Ltd

Feb 2019 - Apr 2022

- Built and implemented machine learning models that achieved up to 85% predictive accuracy in customer segmentation and marketing optimization after model tuning.

- Led data wrangling and feature engineering efforts using Pandas, transforming raw data into structured formats suitable for analysis and model building.
- Used SQL for data extraction and transformed unstructured data into actionable insights for the development of predictive models.
- Developed and deployed data pipelines in Python, significantly reducing data processing time by 35%.
- Designed and maintained interactive dashboards in Power BI to track key business KPIs, leading to better strategic decisions.
- Deployed classification models (e.g., Logistic Regression, SVM) to automate decision-making processes, reducing manual input by 50%.

Internship | Jaja Clinic, University of Ibadan

Jan 2018 - Feb 2019

- Provided technical support for clinic staff and ensured proper functionality of IT infrastructure, helping reduce downtime by 30%.
- Worked closely with the IT team to implement solutions for data storage, backup systems, and security.
- Assisted in creating technical reports and documentation to support ongoing improvements.

EDUCATION

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| • Data Science (MSc.), University of Greenwich, London               | 2023 – 2024 |
| • Statistics (BSc.), University of Ibadan, Nigeria                   | 2016 – 2020 |
| • Mathematics and Statistics (OND), The Polytechnic, Ibadan, Nigeria | 2013 – 2015 |
| • O Level, West Africa Examination Council (WAEC), Nigeria           | 2008 – 2011 |

PROJECTS

AI for Marketing Campaign Optimization

- Used XGBoost and Logistic Regression to predict customer engagement with marketing campaigns, resulting in an 88% accuracy rate.
- Deployed the model on AWS for real-time predictions.

Predictive Maintenance Model for Manufacturing

- Built a predictive maintenance model using Random Forest and XGBoost, achieving 95% accuracy in predicting equipment failure.
- Utilized data preprocessing techniques and feature engineering to ensure data quality.

Cancer Malignancy Prediction

- Built a Decision Tree Classifier model that predicted benign vs malignant cancers with 90% accuracy.
- Improved the model’s performance to 98% by using XGBoost for model optimization.

Stock Price Prediction Using XGBoost

- Developed a stock price prediction model using XGBoost.
- The model achieved impressive accuracy with low MAE and RMSE, improving investment decisions.

AI for Super Mario Game

- Implemented a Reinforcement Learning model to enable an AI to play Super Mario using Keras and the OpenAI Gym library.

## CERTIFICATIONS

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- Certificate in Master of Science, Data Science, University of Greenwich, London, UK.
- Certificate in Bachelor of science, Statistics, University of Ibadan.
- Certificate in Data Science, Internship, Future Connect Training Institute, London, UK.
- Certificate of Completion, Machine Learning A-Z: AI, Python and R - [Udemy](#), 2024.
- Certificate of Completion, Python A-Z™: Python For Data Science With Real Exercises, [Udemy](#) 2024.
- Certificate National Youth Service Corps, Lagelu LGA.
- Certificate of Completion, Python-Introduction to Data Science and Machine Learning A - Z - [SideHustle](#).
- Award of Academic Excellence as Best Graduating Student, Mathematics and Statistics, The Polytechnic of Ibadan.
- Certificate of National Diploma (ND), Mathematics and Statistics, The Polytechnic of Ibadan, Ibadan.

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## ADDITIONAL INFORMATION

- Languages: English (Fluent), Yoruba (Fluent)
- Interests: Machine Learning, Data Visualization, AI, Gaming

## REFERENCES AVAILABLE UPON REQUEST