

Resume 5: Sarah Adebayo

Contact Information

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Location: Port Harcourt, Rivers State

Summary

Data Scientist with a Ph.D. in Machine Learning and 3 years of experience in NLP and predictive analytics. Expert in Python, TensorFlow, and spaCy, with a strong background in MLOps and model explainability. Committed to building robust AI solutions for business growth.

Education

Ph.D. in Machine Learning

University of Port Harcourt

2018 - 2022

[M.Sc. in Statistics](#)

University of Calabar

2015 - 2017

[B.Sc. in Computer Science](#)

Lagos State University

2010 - 2014

Certifications

- AWS Certified Machine Learning – Specialty (2023)
- [DeepLearning.AI](#) NLP Specialization (2021)

Professional Experience

Data Scientist

NextAI Solutions, Port Harcourt

Sep 2021 - Present

- Developed NLP models with HuggingFace Transformers for chatbot applications, improving user satisfaction by 18%.
- Implemented MLOps pipelines with MLflow and Kubernetes, ensuring scalable model deployment.
- Conducted data preprocessing with Pandas and NLTK, handling datasets with over 1M records.

Research Fellow

University of Port Harcourt

Jun 2018 - Aug 2021

- Built classification models with TensorFlow for academic research, achieving 90% accuracy on benchmark datasets.
- Published papers on model explainability using SHAP and LIME in top-tier journals.
- Mentored graduate students on NLP techniques using spaCy and NLTK.

Skills

- Programming: Python, R, SQL
- ML Frameworks: TensorFlow, PyTorch, Scikit-learn
- NLP Tools: spaCy, NLTK, HuggingFace Transformers
- MLOps: MLflow, Docker, Kubernetes
- Other: SHAP, LIME, AWS, Git

Projects

- **Chatbot for E-commerce:** Fine-tuned GPT-2 for customer query resolution, reducing response time by 30%.
- **Predictive Analytics Dashboard:** Built a Streamlit-based dashboard for real-time sales predictions.