

Resume 3: Fatima Yusuf

Contact Information

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Location: Port Harcourt, Rivers State

Summary

Ph.D. in Artificial Intelligence with 3 years of experience in NLP and machine learning model development. Expert in Python, TensorFlow, and NLTK, with a focus on building scalable AI pipelines. Strong understanding of MLOps and model interpretability for enterprise applications.

Education

Ph.D. in Artificial Intelligence

University of Nigeria, Nsukka

2018 - 2022

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

Bayero University, Kano

2015 - 2017

[B.Sc.](#) in Mathematics

University of Ilorin

2010 - 2014

Certifications

- TensorFlow Developer Certificate (2022)
- AWS Certified Solutions Architect (2021)

Professional Experience

Data Scientist

SmartTech Solutions, Port Harcourt

Aug 2021 - Present

- Designed and deployed NLP models with HuggingFace Transformers for named entity recognition, achieving 90% F1-score.
- Built automated data preprocessing pipelines using NLTK and Pandas, reducing manual effort by 50%.
- Led MLOps initiatives with MLflow, enabling reproducible model training and deployment.

Research Assistant (Data Science)

University of Nigeria, Nsukka

Sep 2018 - Jul 2021

- Developed regression and classification models for academic research, published in two peer-reviewed journals.
- Utilized TensorFlow for deep learning experiments, optimizing model performance on limited datasets.
- Mentored students on NLP techniques, focusing on spaCy and NLTK for text processing.

Skills

- Programming: Python, R, MATLAB
- ML Frameworks: TensorFlow, Scikit-learn, Keras
- NLP Tools: spaCy, NLTK, HuggingFace Transformers
- MLOps: MLflow, Docker, AWS
- Other: Model explainability, Git, SQL

Projects

- **Named Entity Recognition System:** Built a spaCy-based NER model for legal document analysis, improving accuracy by 15%.

- **Sentiment Analysis Dashboard:** Developed a Flask-based dashboard for real-time sentiment analysis using DistilBERT.