

ADEYANJU ADEFEMI OLATOYE

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PROFESSIONAL SUMMARY

Data Scientist with 3 years of experience as a data scientist working with machine learning and natural language processing. Currently completing a Master's programme with ongoing publication work.

Research Interests: Natural Language Processing (NLP) and Large Language Models (LLMs), Machine Learning and Pattern Recognition, Medical Imaging and Deep Learning

EDUCATION

UNIVERSITY OF IBADAN

MSc. Artificial Intelligence

Oyo State

July 2024 – Present

Relevant Coursework: Image Processing, Operating System, Deep Learning, Generative A.I., Safe A.I.

Master's Dissertation: "*Development Of A Bayesian Optimization-based Convolutional Neural Network Model for Lung Cancer*"

OLABISI ONABANJO UNIVERSITY

Ogun State

BSc. Computer Science

Oct. 2017 – Jan. 2022

Relevant Coursework: Linear Algebra, Machine Learning, Database Management, Artificial Intelligence

Undergraduate Project: "*The Impact and Challenges of Cybercrime on Nigerian Industries*"

RESEARCH EXPERIENCE

Topic: *Performance Evaluation of Bayesian Hyperparameter Optimization in Enhancing CNN-Based Lung Cancer Classification Models*

Ongoing Research, Data Science and Medical Image Analysis Training in Nigeria (DATICAN)

2025

- Developed a CNN-based deep learning model for automated lung cancer staging using the IQ-OTH/NCCD lung cancer dataset.
- Developed a custom Convolutional Neural Network (CNN) architecture to classify lung cancer from medical imaging datasets (CT), achieving high classification accuracy through iterative model design and tuning.
- Produced a detailed research report and visual performance dashboard, highlighting key findings, model comparisons, and best practices for clinical application of AI in oncology.

ACADEMIC & TEACHING EXPERIENCE

Student Tutor, Olabisi Onabanjo University (OOU), Ago-Iwoye, Ogun State

Oct. 2018 – Feb. 2020

- Assisted in tutoring undergraduate students in mathematics and statistics.
- Provided academic support in undergraduate research.

Computer Studies Teacher, The Apostolic Faith Grammar School, Ugep, Cross River

March – Nov. 2023

- Developed engaging course materials and lesson plans tailored to foundational computing concepts.
- Created assessments and practical exercises to enhance students' understanding of IT fundamentals.

PROFESSIONAL EXPERIENCE

FREELANCE

Data Scientist(Remote)

Oyo

March 2022 – Present

- Utilized natural language processing (NLP) techniques to analyze University of Ibadan's Jaja Clinic Healthcare dataset, enabling accurate drug predictions, deployed using streamlit.
- Deployed a loan eligibility prediction model with an accuracy of 86.64% using Gradient Boosting Classifier.

HAMOYE

Data Scientist Intern (Remote)

Lagos

Sept. 2023 – Dec. 2023

- Utilized National Footprints and Biodiversity Account dataset to assess countries' ecological footprint and natural resource diversity, evaluating data quality and achieving an accuracy of 75% with the classification algorithms.

- Collaborated with a group of data scientists to conduct Exploratory Data Analysis and gain insights on the CITES Trade Database, the most comprehensive and authoritative source on international trade in wildlife.

ZUMMIT AFRICA

Data Scientist Intern (Remote)

Lagos

Jan. 2023 – June 2023

- Applied a Random Forest classifier algorithm to effectively differentiate between fake and real news in a dataset, achieving an impressive 99% accuracy on test data.
- Deployed a car price prediction system using FastAPI and Streamlit, and utilizing the Random Forest algorithm to achieve a (RMSE) of 375.1421

CONFERENCES/ WORKSHOP/WEBINAR

- Academic Research Security: Emerging Trends and Applications for Knowledge Economy in Africa. 2024.
- The 4th International Conference of The Society for The Advancement of ICT & Comparative Knowledge'24
- Bringing Insights from Gene Data for Improved Diagnosis. 2025.

AWARDS

- Letter of Commendation, National Youth Service Corps(NYSC) ,Nov 2022: For Outstanding Performance and Contributions to the Success of the 2022 Batch 'C' Stream 1 Orientation Camp

SKILLS

Programming & Tools: Python, SQL, NumPy, Pandas, Scikit-learn, TensorFlow, Seaborn, Matplotlib, VS Code, Jupyter Notebook, Google Colab, Excel, Docker, FastAPI, Git, AWS, DVC, Dagshub, GitHub, Grafana, Astronomer

PROFESSIONAL MEMBERSHIPS & COLLABORATIONS

- Member, DATICAN – Data Science and Medical Image Analysis Training in Nigeria
- Member, NACOSS – National Association of Computer Science Students

VOLUNTEERING & LEADERSHIP EXPERIENCE

Class Representative (AI Specialization),University of Ibadan	2024/2025
• Acted as a liaison between students and faculty to facilitate academic support	
Sanitation Coordinator, National Youth Service Corps(NYSC)	Nov 2022
• Ensured cleanliness and enforced environmental laws in the NYSC camp.	
Evaluator, National Youth Service Corps(NYSC)	Nov 2022
• Assessed the social response of NYSC 2022 Batch 'C' Stream 1 members.	
Transport & Organizing Secretary, Nigeria Christian Corpers' Fellowship	2022/2023
• Managed logistics and coordinated transportation for members and non-members.	
Member, Anti-Corruption Community Development Service(CDS)	2022/2023
• Educated high school students on the adverse effects of corruption and information security.	

REFERENCES

Prof. Olufade F. Williams Onifade
Professor of Artificial Intelligence & Data Analytics
University of Ibadan
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Dr. Adenike Adeniji-Sofoluwe
Associate Professor of Radiology
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