

Chibundum Adebayo

Stuttgart, Germany | ipinmiadebayo@gmail.com | [Portfolio](#) | [Linkedin](#)

EDUCATION

University of Stuttgart, Germany

October 2023 - Present

M.Sc. Computational Linguistics

Covenant University, Nigeria

2016 - 2021

B.Eng (Honors) Information and Communication Engineering

GPA: 4.81/5.0

WORK EXPERIENCE

Associate Data Scientist | *Indicina Technologies Limited*

April – September 2023

- Built an explainability system for the loan decision engine, enabling transparent analysis and improved performance.
- Developed a chatbot prototype tailored to the company's products, enabling customers to acquire real-time, in-depth insights into their credit score analysis.
- Refactored and synced the deprecated Python codebase of a credit decision engine with the Golang version
Engineered a customized chatbot prototype aligned with the company's product,

Data Science Intern | *Indicina Technologies Limited*

April 2022 – March 2023

- Designed a documentation structure for credit risk models, improving project tracking and onboarding time
- Collaborated to improve the existing feature engineering and prediction pipeline for two credit loan products, effectively mitigating issues relating to gender and location bias and overfitting.
- Implemented a location prediction algorithm in our credit scoring engine reducing biased results

Software Engineering Intern | *Sterling Tech and Data Sciences Limited*

March – August 2020

- Built a full-stack e-commerce website within the three (3) months deadline using the Django framework, HTML, CSS and JavaScript.
- Implemented API endpoints, third-party integrations, and optimized database models, improving website responsiveness

PROJECTS

Seq2Seq Chatbot for Machine Translation | *Udacity Deep Learning Nanodegree*

- Implemented a Seq2Seq model architecture trained on the Multi30k dataset, for machine translation from German to English.
- Utilized TorchText and Gensim to improve the model's language representation by using pre-trained word embeddings for each language.

Implementation of Language Models Architectures | *Personal NLP Project*

- Implemented the N-gram, MultiLayer Perceptron(MLP), WaveNet, and Transformer architectures using PyTorch to build competency in optimizing neural networks.
- Replicated the PyTorch implementation of batch normalization, back-propagation, activation and loss functions.

F.A.D.A (First Aid chatbot for Domestic Accidents) | *Bachelor's Degree Capstone Project*

- Developed two specialized datasets: one focused on first-aid treatments for 70 prevalent domestic accidents in Nigeria and another designed for emergency-related dialogues tailored to the Nigerian context.
- Fine-tuned the datasets on a pre-trained Transformer for multi-intent classification and entity recognition, achieving an F1 score of 0.804
- Deployed the model on a Digital Ocean droplet providing user accessibility through the Telegram application. Monitored performance and conducted user testing using a RASA-X server.

SKILLS

Languages: Python, GoLang

Machine Learning Libraries: PyTorch, Scikit-Learn, NumPy, Pandas, NLTK, TorchText, Spacy, LangChain

Software Engineering: HTML/CSS, JavaScript, Django, Flask

Data Management and Analytics: MySQL, Tableau, Microsoft Excel

Languages: English (Professional Proficiency), German (Elementary Proficiency - A1), Yoruba (Native Speaker)

LEADERSHIP EXPERIENCE

Assistant Academic Officer | *Association of Electrical and Information Engineering Students* August 2018 – May 2019

Planned mentorship events with industry experts and tutorial classes for over 300 students

in the department to help in career decisions and improve academic standing

Team Lead, Hackathon Planning Committee for College of Engineering Week January – May 2019

Coordinated a team of 5 towards organizing multiple academic events, including a hackathon a career talk, and a quiz.

HONORS AND AWARDS

Departmental award for Best Graduating Student in Information and Communication Engineering | *Covenant University*

October 2021

Semi-finalist - Go Green in the City Competition | *Schneider Electric*

October 2019

Undergraduate Scholarship Recipient | *Chevron Nigeria Limited*

2016 – 2021