Chibundum Adebayo

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EDUCATION

Covenant University, *Bachelor of Engineering in Information and Communication Engineering*

2016 – 2021
Nigeria

- CGPA: **4.81/5.0**; Best Graduating Student (Top 1%)

PROFESSIONAL EXPERIENCE

Data Science Intern, *Indicina Technologies Limited*

April 2022 – Present
Lagos, Nigeria

- Developed a documentation structure and applied it to eight(8) risk models, improving onboarding efficiency and project tracking.
- Utilized Bi-variate analysis and integrated a location prediction algorithm into the credit-scoring engine to minimize bias in decision-making logic.
- Collaborated to develop a feature engineering and prediction pipeline for two credit loan products, reducing rejected loans by 3% and overfitting by 15%.

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

March 2020 – August 2020
Lagos, Nigeria

- Built a full-stack e-commerce website using the Django framework, vanilla HTML, CSS and JavaScript.
- Implemented API endpoints, third-party integrations, and optimized database models, improving website responsiveness.

PROJECTS

AirBnB Clone, *ALX Full-stack Project (In progress)*

- Building a clone of the Airbnb website to gain relevant expertise in full-stack web development
- Integrated the HTML/CSS templating, database storage, and command line interpreter for the backend management.
- Working on integrating a front-end interface using React and back-end APIs.

Language Models, *NLP Project* 🔗

- Implemented bi-gram, Multilayer perceptron (MLP), and WaveNet models from the scratch with PyTorch.
- Integrated batch normalization, back-propagation, activation and loss functions into the neural networks.
- Performed learning rate tuning and hyperparameter optimization for improved performance.

F.A.D.A (First Aid chatbot for Domestic Accidents), *Bachelor's degree Capstone Project* 🔗

- Aggregated different sources to create a dataset for treating 70 domestic accidents common in Nigeria.
- Fine-tuned the data to a pre-trained transformer for multi-intent classification, with up to 81.9% accuracy.
- Deployed the model on a Digital Ocean droplet, monitored the performance and user-testing using a RASA-X server

FitAny, *Internship Project* 🔗

- Developed an e-commerce web project with Django as the backend framework and for the front-end, vanilla JavaScript, HTML, and CSS.
- Later migrated to React as the front-end framework and the final project was deployed on Heroku.

SELECTED INDEPENDENT COURSES

Deep Learning Nanodegree, *Udacity*

CNNs, RNNs, Transformers, GANs

Software Engineering, *ALX Africa/ Holberton School*

Data structures & algorithms, Web Infrastructure Design, Databases, Full-stack development, DevOps

Miracles of Human Language: An Introduction to Linguistics, *Coursera*

Pragmatics & Semantics, Phonology & Phonetics, Morphology & Syntax, Language in the brain and society

Neural Networks and Deep Learning, *Coursera*
  Artificial Neural Networks, Backpropagation, Neural Networks Architecture

ML Observability Fundamentals, *Arize University*
  Performance tracing, Feature importance & explainability, Fairness & bias tracing

AWS Machine Learning Foundations, *Udacity*
  Machine Learning using AWS AI Devices, Object-oriented Programming.

TECHNICAL SKILLS

Machine Learning: PyTorch, Tensorflow, Scikit-Learn, NumPy, Pandas, Matplotlib, Seaborn, NLTK
Software Engineering: HTML/CSS, JavaScript, Django, Unittest, Data Structures and Algorithms
Data Management & Analytics: PostgreSQL, Google BigQuery, MySQL, Tableau, Microsoft Excel
Developer Tools: Git, Visual Studio Code, Linux, Docker, Jupyter Lab, HuggingFace, MLflow, Postman

LEADERSHIP EXPERIENCE

College of Engineering Week, *Hackathon Planning Committee*   January 2019 – May 2019
  • Coordinated a team of 5 towards organizing multiple academic events,
    including a career talk, a hackathon, and a quiz, for the engineering
    students.

Association of Electrical and Information Engineering Students   August 2018 – May 2019
(AEIES), *Assistant Academic Officer*
  • Planned mentorship events and tutorial classes for students in the
    department to aid in career projection and improve academic standing.

ACHIEVEMENTS

Departmental award for Best Graduating Student in Information and   October 2021
Communication Engineering, *Covenant University*

Python Hack fest - Finalist, *Women in WACREN*   November 2019

Semi-finalist - Go Green in the city competition, *Schneider Electric*   October 2019

Undergraduate Scholarship Recipient, *Chevron Nigeria Limited*   September 2017

LANGUAGES

• English (Fluent)   • Yoruba (Native)   • German (Beginner)