OLUWOLE FAGBOHUN

MACHINE LEARNING ENGINEER | NLP ENGINEER & RESEARCHER
Oluwolefagbohun077@gmail.com | 07359019085

PROFESSIONAL SUMMARY

A Machine Learning Engineer passionate about taking ownership and delivering real-world solutions using cutting-edge technology with experience in building end-to-end machine learning solutions. I have a proven track record of using my technical skills to drive business results, having built, deployed, and led cross-functional teams to deliver high value data-driven products.

SKILLS

- **Programming Languages:** Python & R
- **Tools**: Jupyter/JupyterLab, Github, IntelliJ, PyCharm, Streamlit, GPT-3
- **Data Viz**: Tableau, Aws Quicksight and PowerBI
- **ML Libraries**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, SciPy, Plotly, TensorFlow, Pytorch, NLTK, Spacy & Transformers
- **AUTOML:** Google Teachable Machines, DataRobot, AWS Autopilot, and Vertex AI
- **Cloud Platforms**- Azure & AWS
- **ML Techniques**: Regression, Classification, Clustering, Dimensionality Reduction, Ensemble Methods, Neural Nets and Deep Learning, Transfer Learning, Reinforcement Learning, Feature Engineering, Feature Selection
- **NLP Techniques:** Tokenization, Vectorization, Term Frequency Analysis, Word Cloud generation, N-gram Analysis, Feature Selection, TF-IDF, Lemmatization, Stemming, POS Tagging, Topic Modeling, Sentence Matching, Query Processing, Information Retrieval, Sentiment Analysis
- **MLOPS:** Docker & Kubernetes
- **Certifications:** Tableau Desktop Specialist & Tensorflow Developer Certificate

WORK EXPERIENCE

VP Engineering and Environmental data products
Changeblock | *London, United Kingdom*   **Sept 2022-Present**

- Designed ML stack for project forecasting, risk analysis, fact-checking, text classification and project description using traditional ML models and fine-tuned transformer models. Data definition and development of proof of concept for stakeholders. Development of project roadmap in terms of cost, time, manpower and business objectives.
- Lead the development and implementation of Changeblock's data platform which transforms complex climate data into actionable, intelligent information for a wide range of stakeholders in the climate/environmental space and presented the POC to investors to secure 500k USD in funding for the company.

Lead ML Engineer
Changeblock | *London, United Kingdom*   **Feb 2022-Aug 2022**

- Built a recommendation system to help optimize the user experience and enhance product discovery in Changeblock's marketplace. Using machine learning to optimize the current workflow and integrating value-added services to ensure optimal service level of the marketplace and healthy communication through our chat systems.

Author
Packt Publisher | *London, United Kingdom* **Jan 2022-Present**

- Currently writing a hands-on book on Tensorflow, "Tensorflow Developer Certificate Guide" with Packt Publishers. This book covers the fundamentals of deep learning, computer vision, natural language processing and time series. Furthermore, the book covers various use cases for ML Engineers and Enthusiasts preparing for the Tensorflow Developer Certificate Exam.

NLP Engineer **Oct 2021 – Mar 2022**
Rewire Online | *London, United Kingdom*

- Performed model evaluation and error analysis on the production model. Identified and documented known model weaknesses to enable overall improvement of model's performance in production.
- Conducted research into the use of context in hate speech classification. Researched both human-to-human context-based conversations scrapped from twitter and human to machine conversations from chatbots and voice assistants. Reviewed and summarized my findings for stakeholders.
- Collaborating with the team to improve model robustness using subpopulations, transformations, adversarial training and producing a high-level document for stakeholders' consumption.
- Built an Adversarial data generation pipeline to enhance the production model's performance.

Machine Learning Engineer **June 2020 – Sept 2021**
Freelance | *London, United Kingdom*

- Built and deployed an AI children storyteller on streamlit using a fine-tuned GPT NEO transformer and Amazon Polly. The AI storyteller generates children's stories with speech capabilities integrated, enabling children to listen to stories in human like voices, capturing various accents across the globe.
- Building an Interactive dashboard for Argos's assortment planning optimization. Using Tableau & Python to build an intuitive dashboard to enable Argos to harness the power of explainable AI, visual analytics, and data discovery to improve decision-making, collaboration, and operational execution regarding its weekly assortment planning. (Industry-based MSc Project).

Founder & CEO Data Analyst (Consultant) **Nov2018 – Jan 2022**
Go2uni | Abuja, Nigeria

Go2uni is an e-learning platform and academic social network targeted at preparing Nigerian senior secondary school students for university entrance exams. In 2020, Go2uni acquired over 10,000 students and was ranked in the Top 2 learning apps for Nigerian students.

EDUCATION

University of Greenwich | *London, United Kingdom* **January 2021 – January 2022**
MS in Data Science (Distinction)

Relevant Coursework: Programming Fundamentals for Data Science, Machine Learning, Big Data, Technologies for Anti Money Laundering & Financial Crime, Applied Machine Learning, Data Visualization, Blockchain for FinTech Applications, Statistical Techniques and Time Series (GPA 5.0/5.0)

Ahmadu Bello University | *Zaria, Nigeria* **January 2005 – December 2009**
BE in Electrical Engineering, Distinction in Computer Engineering Module