

# Afolasade Victoria

## Middle Data Scientist

### SUMMARY

Data scientist with over 4 years of experience in implementing scalable ML solutions in finance and tech sectors, with a focus on credit risk and behavior prediction models. Expert in Python, PyTorch, SQL, and leveraging cloud technologies (AWS, GCP). Demonstrable achievements in enhancing churn prediction accuracy and user retention rates through advanced analytics. Proficient in setting up continuous integration and deployment pipelines using Docker, Airflow, and GitLab. Holds a Masters in Data Science and IBM Data Scientist certifications, with a strong foundation in computer science from the University of Lagos. The engineer's technical prowess, coupled with their methodical approach to A/B testing, ML pipeline development, NLP, and recommendation systems, makes them a strong candidate for sophisticated data science roles.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Python (4 yr.), PyTorch (4 yr.), SQL (4 yr.), AWS, GCP
<b>Programming Languages</b>	Python (4 yr.)
<b>.NET Platform</b>	Azure
<b>AI &amp; Machine Learning</b>	NLP, PyTorch (4 yr.), Xgboost
<b>Python Libraries and Tools</b>	PyTorch (4 yr.)
<b>Data Analysis and Visualization Technologies</b>	LightGBM
<b>Databases &amp; Management Systems / ORM</b>	dbt, SQL (4 yr.)
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, Azure, GCP
<b>UI/UX/Wireframing</b>	3D Modelling
<b>QA, Test Automation, Security</b>	API testing

<b>SDK / API and Integrations</b>	API testing
<b>Version Control</b>	Git
<b>Operating Systems</b>	Unix
<b>Other Technical Skills</b>	Churn, Database Management and Credit

## WORK EXPERIENCE

### Data Scientist, Behavioral Risk Model Deployment

**Duration:** Mar 2022 - Present

**Summary:** Developed and deployed behavioral risk models for churn and fraud detection, enhanced prediction accuracies and reduced user loss.

**Responsibilities:** Designed and deployed behavioral risk models, developed scalable ML pipelines, conducted model validation and monitoring, collaborated with team for real-time model serving with integrated logging.

**Technologies:** Python, PyTorch, Docker, Airflow, Azure

### Machine Learning Engineer, Churn Prediction and Recommendation Systems

**Duration:** Jan 2021 - Mar 2022

**Summary:** Built recommendation systems and churn prediction models, designed A/B testing for ML experiments, optimized FastAPI-based model endpoints.

**Responsibilities:** Built recommendation systems, designed and analyzed A/B tests for ML experiments, deployed and optimized model endpoints, automated training and evaluation workflows, managed Git version control, and communicated with stakeholders.

**Technologies:** Python, FastAPI, AWS, GCP, MLflow, GitLab CI/CD, dbt

### Data Scientist, FairLens - AI Bias Detection & Correction Tool

**Duration:** Mar 2025 - Apr 2025

**Summary:** Designed and built an AI bias detection and correction tool to promote AI fairness in machine learning models.

**Responsibilities:** Developed an AI bias detection and correction tool, designed functionalities to detect biases and provide correction recommendations.

**Technologies:** Python, scikit-learn, Fairlearn

### Data Scientist, Movie Recommendation System

**Duration:** Aug 2023 - Present

**Summary:** Developed a transformer-enhanced movie recommendation system that integrates sentiment analysis and multilingual support.



**Responsibilities:** Built a next-generation recommendation system, integrated sentiment analysis, and handled multilingual user reviews to fine-tune recommendations.

**Technologies:** Python, PyTorch, NLP, Recommendation Systems

### **Data Scientist, Farming Automation Decision System**

**Duration:** Sep 2024 - Jan 2025

**Summary:** Built a decision tree-based farming automation system for resource allocation in low-resource environments.

**Responsibilities:** Built a decision tree-based system, optimized resource allocation decision-making for better agricultural outcomes.

**Technologies:** Data Analysis, Decision Trees

## **EDUCATION**

- **Deakin University**
- Masters in Data Science
- Sep 2023 - Present
- **University of Lagos**
- Bachelor of Science in Computer Science
- Jan 2017 - Jan 2021

## **CERTIFICATION**

- **IBM Certified Data Scientist**
- Oct 2023
- **IBM Data Science Professional Certificate**
- Coursera
- May 2023
- **Data Science Certificate**
- ExploreAI
- Oct 2022

