

# Favour Oyelami

## Senior Senior Data Scientist

### SUMMARY

Expert data scientist with a strong engineering background, encompassing advanced competencies in Machine Learning, Data Engineering, and Business Intelligence. Holds an MSc in Computer Science with over 5 years of experience innovating at technology firms such as Interswitch Group and Bluechip Technologies. Proven track record in driving business decisions through data, such as enhancing credit risk models leading to a 12% loan uptake increase and implementing a Transaction Classifier with a 98% success rate. Technically proficient in Python, SQL, and a suite of analytics tools and platforms including AWS services, Sagemaker, and Evidently AI. Demonstrated excellence in employing Machine Learning and DataOps methodologies for project success.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Python, SQL, PySpark, Risk Management
<b>Programming Languages</b>	Python
<b>AI &amp; Machine Learning</b>	Amazon Machine learning services, AWS ML (Amazon Machine learning services), AWS SageMaker, AWS SageMaker (Amazon SageMaker), OpenAI, Pinecone
<b>Python Frameworks</b>	Flask
<b>.NET Platform</b>	Identity Server
<b>Python Libraries and Tools</b>	PySpark, Streamlit
<b>Data Analysis and Visualization Technologies</b>	Apache Airflow, AWS Athena, Data visualization, Power BI
<b>Databases &amp; Management Systems / ORM</b>	ChromaDB, Microsoft SQL Server, SQL
<b>Amazon Web Services</b>	AWS Athena, AWS Bedrock, AWS EC2, AWS EMR, AWS Glue, AWS ML (Amazon Machine learning services), AWS Quicksight, AWS S3, AWS SageMaker, AWS SageMaker (Amazon SageMaker)
<b>Azure Cloud Services</b>	Azure App Service, Azure Blob Storage, Azure DevOps



<b>Google Cloud Platform</b>	Cloud Functions
<b>Web/App Servers, Middleware</b>	Apache HTTP Server
<b>Version Control</b>	BitBucket, Github Actions
<b>Third Party Tools / IDEs / SDK / Services</b>	Excel, Visual Studio
<b>Deployment, CI/CD &amp; Administration</b>	Jenkins
<b>Other Technical Skills</b>	RDS

## WORK EXPERIENCE

### Senior Data Scientist, Credit Scorecard Development

**Duration:** April 2024 - Present

**Summary:** Led the development of a rule-based scorecard using customer loan and transaction features to categorize users by credit and transaction behavior.

**Responsibilities:** Developing scorecard, enabling informed decision-making for Product and Risk teams, and increasing loan uptake by 12%.

**Technologies:** Machine Learning, Evidently AI, Business Intelligence

### Senior Data Scientist, Credit Scoring Model Optimization

**Duration:** April 2024 - Present

**Summary:** Optimized the company's existing credit scoring model to improve risk differentiation.

**Responsibilities:** Enhancing ROC-AUC metric from 67% to 71% and reducing lending exposure to high-risk borrowers.

**Technologies:** Machine Learning, DataOps

### Senior Data Scientist, Loan Portfolio Analysis Dashboard

**Duration:** April 2024 - Present

**Summary:** Led development of a loan portfolio analysis dashboard for loan reconciliation.

**Responsibilities:** Enabled successful loan reconciliation for top lenders, reducing unresolved loans.

**Technologies:** Data Analytics, Business Intelligence, Machine Learning

### Senior Data Scientist, Customer Account Integration

**Duration:** April 2024 - Present



**Summary:** Integrated various customer accounts into the company's transaction database.

**Responsibilities:** Achieved a 15% average increase in total customer account volume.

**Technologies:** Data Engineering, Cloud Computing, Big Data

### **Senior Data Scientist, AI Monitoring Deployment**

**Duration:** Apr 2022 – Mar 2024

**Summary:** Deployed AI monitoring tool for model and data drift detection.

**Responsibilities:** Improved model reliability by monitoring data drift and model performance drift.

**Technologies:** MLOps, Evidently AI, Machine Learning

### **Senior Data Scientist, Transaction Classifier Development**

**Duration:** Apr 2022 – Mar 2024

**Summary:** Built and implemented a high-accuracy Transaction Classifier using NLP.

**Responsibilities:** Categorized customer transactions with a classification success rate of 98%.

**Technologies:** NLP, Machine Learning, Python

### **Senior Data Scientist, Subscribers Transaction Analysis**

**Duration:** Apr 2022 – Mar 2024

**Summary:** Conducted analysis of subscribers transactions to improve targeted marketing strategies.

**Responsibilities:** Provided insights to MTN Nigeria using data analytics techniques.

**Technologies:** Big Data, Machine Learning, Analytics

### **Senior Data Scientist, eNaira Machine Learning Models**

**Duration:** Apr 2022 – Mar 2024

**Summary:** Developed machine learning models for CBN eNaira to predict customer lifetime value.

**Responsibilities:** Enhanced financial planning and decision-making capabilities.

**Technologies:** Machine Learning, Forecasting, Python

### **Data Scientist, Telecom Data Analysis**

**Duration:** Jul 2021 – Mar 2022

**Summary:** Analysed telecom data to identify demographic and socio-economic trends.



**Responsibilities:** Provided key insights from analysis of over 80 million subscribers.

**Technologies:** Data Science, AWS QuickSight, Analytics

### **Data Scientist, Named Entity Recognition Model**

**Duration:** Jul 2021 - Mar 2022

**Summary:** Engineered an NER model to automate entity extraction from transactional text.

**Responsibilities:** Significantly automated processes and enhanced transactional data handling.

**Technologies:** NLP, Spacy, Python

### **Data Scientist, Campaign Strategy Optimization**

**Duration:** Jul 2021 - Mar 2022

**Summary:** Conducted A/B testing to optimize marketing campaigns for reach effectiveness.

**Responsibilities:** Maximized campaign performance and effectiveness through A/B experiments.

**Technologies:** A/B Testing, Data Analytics, Machine Learning

### **Data Scientist, Credit Risk Assessment**

**Duration:** Jan 2020 - Jun 2021

**Summary:** Built and managed the implementation of machine learning algorithms for credit risk assessment.

**Responsibilities:** Developed credit risk scorecards and improved collection processes.

**Technologies:** Machine Learning, Risk Analysis, Python

## **EDUCATION**

- **Master of Science in Computer Science**
- Mar. 2018 - Jan. 2021
- **Bachelor of Science in Computer Science**
- Aug. 2011 - June 2015

