

# OLAGUNJU OLUWADAMILARE

## AI & Machine Learning Engineer

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### Professional Summary

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Results-driven AI Engineer with a track record of delivering measurable business impact through deployed machine learning solutions. Specializes in building and scaling AI systems that achieve 95%+ accuracy in production, reduce operational costs by 30%+ through automation, and improve user engagement by 40%+ via intelligent features. Expert in the full AI/ML lifecycle, from model development with PyTorch/TensorFlow to MLOps-driven deployment on AWS.

### Experience

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#### AI/ML Engineer

Oct. 2023 – Nov. 2024

*GlobaPass Solutions*

*Remote*

- Engineered a Property Similarity Search engine that achieved 98% accuracy in duplicate detection and reduced manual review time by 85% for real estate listings
- Developed a fraud detection system using Isolation Forest that identified 92% of fraudulent patterns while maintaining 5% false positive rate, preventing an estimated \$500K+ in potential losses
- Built a RAG-based AI coaching assistant that reduced hallucination rates to 8% while maintaining 2 second response latency for 95% of queries
- Optimized model deployment pipelines, reducing inference costs by 35% through containerization and AWS Lambda auto-scaling
- Implemented CI/CD pipelines that decreased model deployment time from 4 hours to 15 minutes while maintaining 99.8% deployment success rate

#### Data Scientist

Jan. 2022 – Jul. 2023

*PowerCo*

*Remote*

- Developed customer churn prediction models with 87% accuracy, enabling proactive retention campaigns that reduced churn by 22% in Q3 2022
- Automated data processing pipelines that reduced manual data preparation time by 70% (from 10 hours to 3 hours weekly)
- Created segmentation models that improved marketing campaign conversion rates by 18% through better targeting

### Education

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#### Obafemi Awolowo University (OAU)

Ile-Ife, Nigeria

*Bachelor of Science in Computer Science with Mathematics*

*2018 – 2022*

### Skills

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**AI/ML & NLP:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Embeddings, Transformers, Model Fine-tuning

**Programming & Frameworks:** Python, Java, SQL, JavaScript, PyTorch, TensorFlow, scikit-learn, Hugging Face, OpenAI API, FastAPI, Spring Boot

**Cloud & MLOps:** AWS (SageMaker, Lambda, EC2, S3, RDS), Docker, Kubernetes, GitHub Actions, MLflow, CI/CD for ML, Vector Databases (ChromaDB, Qdrant), Terraform

**Data Engineering:** Data Pipelines, PostgreSQL, Data Preprocessing & Cleaning, Feature Engineering

### Projects & Achievements

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- Customer Churn Model:** Led a team of 3 to build a model, reducing churn by 15% and improving retention strategies: GitHub
- Reduced embedding storage costs by 40% through optimized vector compression techniques
- Automated 80% of manual product categorization work through ML classification