# Tunji Obidokun
## ML/AI Engineer
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## Professional Summary

Results-driven ML/AI Engineer with 3+ years of experience in building scalable, data-driven applications. Proficient in Python, cloud computing (Microsoft Azure), and deploying machine learning models for fraud detection, recommendation systems, and predictive analytics. A collaborative team player passionate about leveraging AI to solve real-world problems.

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## Technical Skills

**Programming:** Python, SQL
**Frameworks & Libraries:** Numpy, Pandas, Scikit-learn, TensorFlow, PyTorch, OpenCV, FastAPI
**Cloud & DevOps:** Microsoft Azure, Docker, CI/CD
**Databases:** MySQL, PostgreSQL, Oracle, Microsoft SQL
**Machine Learning & AI:** Supervised & Unsupervised Learning, Deep Learning, NLP, Computer Vision
**Tools & Platforms:** Git, Jupyter, VS Code, Pandas, NumPy, Matplotlib, Seaborn

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## Experience

**ML/AI Engineer**
**Wema Bank Plc** – Lagos, Nigeria | Sep 2023 – Present

- Designed and deployed real-time fraud detection models using Isolation Forest and deep learning techniques.
- Developed AI-powered recommendation systems to enhance customer engagement.
- Optimized model inference speed using FastAPI and Azure Machine Learning.
- Integrated ML pipelines with cloud-based data infrastructure for scalable solutions.
- Developed a Facial Authentication Project for security enhancement at Wema Bank.

**Data Scientist / Analyst**
**RootHub** – Lagos, Nigeria | Sep 2022 – Sep 2023

- Analyzed large-scale datasets to extract meaningful insights and drive business decisions.
- Built predictive analytics models to improve customer retention and operational efficiency.
- Conducted A/B testing and statistical analysis to optimize marketing campaigns.
- Created interactive dashboards using Power BI and SQL for data visualization.

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## Projects

- **Fraud Detection System:** Developed an unsupervised anomaly detection model for banking transactions.
- **AI-Powered Play Kit Recommendation:** Built a recommendation engine for cognitive play kits targeting children aged 6 months to 16 years.
- **Customer Support Chatbot:** Developed an AI-powered chatbot for automated issue resolution using AI Agents.
- **Facial Authentication Project:** Implemented an AI-driven security system for identity verification at Wema Bank.
- **Expense Tracking System:** Built an auto-mapping solution that classifies expenses into predicted categories.
- **Bank Name Classifier:** Developed a classification model to predict bank names from account numbers.

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## Education

**Delon Certified Artificial Intelligence Engineer**
**DelonAcademy** | Nov 2023 - Feb 2024 | Distinction

**B.Ed. Educational Management/Mathematics**
**University of Ibadan** | 2019 | First Class Honours

**Certifications & Courses**
- Machine Learning with Apache Spark – Coursera (Apr 2024) – Credential ID: HADXRXZL86KL
- IBM Applied AI Specialization – Coursera (Mar 2024) – Credential ID: 6B2X72NPSN8H
- Foundations of Data Science – Coursera (Jul 2023) – Credential ID: 5V9AJT982KYR
- Google Data Analytics Specialization – Coursera (Oct 2022) – Credential ID: 52MZX7DRQYCZ

**Soft Skills**
- Problem-Solving | Critical Thinking | Team Collaboration | Communication | Leadership

**Languages**
- English (Fluent) | Yoruba (Native) |