

Ibekwe Kingsley Chiedozie

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Summary

AI/ML Engineer with hands-on experience building production-grade AI systems integrated with enterprise business platforms. Proven track record developing LLM-based agents, RAG pipelines, and AI services that consume structured business data and deliver actionable insights to stakeholders. Strong background in Python, cloud platforms, MLOps, and AI governance.

Skills

- **Programming:** Python, SQL, HTML/CSS, R
- **Frameworks:** PyTorch, TensorFlow, Scikit-learn, OpenCV, Hugging Face, NLTK, LoRA, LangChain, Stable Diffusion
- **Developer Tools:** Git, Docker, Kubernetes, AWS, GCP, Azure, Jenkins, VS Code

Work Experience

Data Scientist – Periculum *Remote Jun. 2025 – Present*

- Optimized data pipelines and automated ETL processes to improve accuracy, efficiency, and scalability of financial data analysis. with cross-functional teams to implement machine learning models for fraud detection, risk assessment, and customer segmentation..
- Developed and Refined algorithms for data processing, risk management and credit scoring engine for financial applications.
- Maintaining API enabled data analytics and credit scoring engine that provides predictive analysis into customers financial health data.

AI/ML Engineer – Nsibidi Fables *Remote May 2025 – Present*

- Implemented text-to-image generative models on cloud GPU infrastructure, supporting scalable image generation for internal animation teams.
- Engineered machine learning-based sketch-cleaning pipelines that converted rough artist inputs into production-ready assets, reducing manual cleanup time by ~30%.
- Fine-tuned Stable Diffusion models using LoRA adapters, improving stylistic consistency and reducing prompt variance for company-specific visual IP
- Integrated generative pipelines with ComfyUI, creating preset-driven workflows accessible to non-technical artists.
- Evaluated fine-tuned models using qualitative and latency benchmarks prior to production rollout

Data Engineer – Bryanspaxe Integrated Services Ltd. *NYSC Jan. 2025 – Dec. 2025*

- Ingested and synchronized data from ERP systems into internal databases, updating tables and maintaining accurate enterprise records.
- Developed an AI-powered chatbot integrated with ERP data, enabling managers and administrators to query enterprise data and receive structured, decision-ready insights.
- Collaborated with operations and management teams to ensure AI outputs aligned with real-world business processes and reporting needs.
- Integrated external tools and third-party APIs with ERP systems to enable automated data exchange and system interoperability.

AI/ML Engineer – Corisio *Remote Sep 2023 – Jul. 2025*

- Designed and deployed a tool-augmented LLM agent description generation system, reducing content drafting time by 60% and increasing user engagement by 40%.
- Architected a recommendation chatbot that improved recommendation accuracy by 20% and increased customer satisfaction by 35%.
- Implemented feedback-driven refinement loops to continuously improve agent response relevance and accuracy

- Partnered with UX designers to streamline AI tool interfaces, increasing adoption across marketing teams.
- Analyzed user interaction metrics to guide continuous model and feature improvements.

AI/ML Engineer – Quantum Side Technologies Limited *Remote (Albany, NY, USA) Nov 2024 – Apr 2025 (Contract)*

- Built agentic AI systems for KYC solutions that reduced identity verification time by 60% through intelligent automation.
- Developed voice-enabled AI agents for customer support and document verification, improving response time and operational efficiency.
- Applied machine learning techniques to enhance fraud detection, identity validation, and risk assessment workflows.

Data Science Intern – Wiretooth Technologies *Ogun State, Nigeria Mar 2023 – Sep 2023*

- Trained and productionized classical and generative ML models using Python, PyTorch, AWS, and GCP, contributing to ~20% business growth.
- Containerized ML systems with Docker and Kubernetes, reducing service downtime by 15%.
- Implemented large language models for text and image generation using transformer architectures.
- Improved anomaly detection accuracy by 30% through feature engineering and time-series modeling.
- Executed A/B testing and predictive modeling initiatives, increasing loan prediction accuracy by 25%.
- Automated data pipelines using Hadoop and Spark, accelerating processing speed by 40%.

Open Source Contributor – Omdena *Remote Jun 2020 – Jan. 2025*

- Developed a cost prediction model for lung cancer patient planning, improving healthcare cost management.
- Built an AI Travel Advisor for the 2024 Paris Olympics, offering personalized travel recommendations.
- Conducted data analysis with Python (Pandas, NumPy) to identify trends and optimize models.
- Led project meetings to align efforts and ensure timely delivery of AI solutions.
- Documented model development processes to support knowledge sharing and reproducibility.
- Engaged stakeholders for feedback, enhancing solution impact and adoption.

Education

University of Nigeria, Nsukka
B.Eng, Electrical Engineering

Aug 2018 – Mar 2024

Certifications

- Microsoft Azure AI Fundamentals (AI-900)
- AI Security and Governance