

Ibekwe Kingsley Chiedozie

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Summary

Results-driven AI/ML Engineer with extensive experience in deploying scalable machine learning models and optimizing AI workflows. Proficient in Python, PyTorch, TensorFlow, and cloud platforms such as AWS and GCP. Successfully developed and deployed generative models, recommendation systems, and NLP solutions that improved business operations and customer engagement. Experienced in leading A/B testing, fraud detection, and predictive modeling, driving measurable improvements in model accuracy and operational efficiency. Adept at collaborating with cross-functional teams, mentoring junior engineers, and implementing AI-driven solutions that support strategic business goals.

Skills

- **Programming:** Python, C++, SQL, JavaScript, HTML/CSS, R
- **Frameworks:** PyTorch, TensorFlow, Scikit-learn, OpenAI API, Hugging Face, NLTK, SpaCy, LangChain, CrewAI, LlamaIndex
- **Developer Tools:** Git, Docker, Kubernetes, AWS, GCP, Azure, Jenkins, VS Code
- **Data Science:** Data Analysis, Visualization (Matplotlib, Seaborn), Machine Learning, Big Data (Apache Spark), Statistics
- **Libraries:** NumPy, Pandas, XGBoost, LightGBM, CatBoost, Plotly

Work Experience

Corisio

Remote, Sep 2023 - Present

AI/ML Engineer

- Designed an AI-powered product description generator, reducing content drafting time by 60% and increasing user engagement by 40%.
- Developed a recommendation chatbot that enhanced customer satisfaction by 35% and improved recommendation accuracy by 20%.
- Implemented user feedback loops to refine chatbot interactions, ensuring alignment with customer needs.
- Collaborated with UX designers to create intuitive interfaces for AI tools, increasing adoption rates among marketing teams.
- Conducted staff training sessions on AI tools, fostering innovation and efficiency.
- Analyzed user behavior metrics to drive continuous improvements in AI solutions.

Wiretooth Technologies

Ogun State, Nigeria, Mar 2023 - Sep 2023

Data Science Intern

- Developed and deployed classical and generative machine learning models using Python, PyTorch, AWS, and GCP, contributing to a 20% business growth and strengthening fraud prevention strategies.
- Engineered scalable systems with Docker and Kubernetes, enhancing system reliability and reducing downtime by 15%.
- Deployed large-scale language models for text and image generation, as well as language detection, leveraging Transformer-based architectures for efficient training and optimization.

- Applied advanced NLP, computer vision, and time-series models, boosting anomaly detection accuracy by 30% through refined feature engineering and predictive modeling.
- Led A/B testing and predictive modeling efforts, increasing loan prediction accuracy by 25% and driving data-driven business decisions.
- Automated data pipelines with Hadoop and Spark, accelerating data processing speed by 40%.
- Enhanced machine learning workflows by mentoring team members on TensorFlow and PyTorch, contributing to improvements in chatbot and recommendation system performance.

Omdena
Open Source Contributor

Remote, Jun 2020 - Present

- Developed a cost prediction model for lung cancer patient planning, improving healthcare cost management.
- Built an AI Travel Advisor for the 2024 Paris Olympics, providing personalized recommendations for attendees.
- Conducted data analysis using Python (Pandas, NumPy) to identify trends and optimize model performance.
- Led project meetings to align team efforts, ensuring timely and successful delivery of AI solutions.
- Documented model development processes for knowledge transfer and project reproducibility.
- Engaged with stakeholders to gather feedback, enhancing project impact and adoption.

Education

University of Nigeria Nsukka
B.Eng, Electrical Engineering

Aug 2018 - Mar 2024

Certifications

- Microsoft Azure AI Fundamentals (AI-900) [Certificate]
- AI Security and Governance [Certificate]