Qudirah Alimi • Machine Learning Engineer

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SKILLS

- **Programming Language:** Python, PostgreSQL

- **Data Manipulation and EDA:** Pandas, Numpy, Matplotlib, Seaborn

- **ML / AI Frameworks:** Scikit-Learn, TensorFlow

- **Advanced ML Techniques:** Feature Engineering, Pipeline Development, Regression Analysis, Natural Language Processing (NLP), NLTK, Hyperparameter Tuning, Supervised Machine Learning Techniques, Unsupervised Machine Learning Technique, Recommendation Engines

- **Business Intelligence Tools**: Tableau, Plotly, Power BI, Excel (VLOOKUP, Pivot Tables, Microsoft Office), Tableau

- **Cloud/MLOPS:** AWS, Docker, Flask, FastAPI, Rancher, MLFlow, Streamlit

- **Version Control:** GitHub, Git, GitLab

EXPERIENCE

Arebak, Remote, USA • Machine Learning Engineer   (07/2023) - Present

- Developed and deployed a content-based machine learning recommendation system with 80% accuracy, processing over 70,000 grant records using Python and containerized AWS infrastructure for scalable production deployment

- Integrated and fine-tuned GPT-based LLM to power a 95% accuracy grant match rating system, streamlining decision-making, cutting grant evaluation time by over 85%, and eliminating the need for costly human consultants

- Pioneered a credit risk model using Python, Pandas, and XGBoost to identify loan defaulters; model achieved 74.6% accuracy and 81% recall, deployed with Docker and Rancher

- Engineered a multifactor regression model for predictive agriculture in Kansas, resulting in a 92% R-squared value and a 15% error rate in loss ratio estimation

- Forged relationships with cross-functional stakeholders via weekly report and dashboard presentations, resulting in zero major miscommunications on specifications of credit risk model and a 99.9% incident-free deployment rate

Fezzant, Remote, London •   Junior Data Analyst   (04/2022) - (06/2023)

- Performed EDA on form and social media data using Python (Pandas, Matplotlib, Seaborn) to derive customer segments, enabling tailored content strategy and increasing engagement by 60%

- Developed a pipeline for data scraping and cleaning using Python and Scrapy, cutting data collection and cleaning time by 80%

CONTRIBUTIONS

NetworkX • v2.8.8 • v3.0 • v3.1

- Managed 30+ pull requests for open-source library improvements, personally addressing minor updates and adding missing asserts, ensuring project stability and receiving positive feedback from core maintainers.

- Expanded test coverage, achieving 100% coverage for key functions and reducing potential bugs

SPEAKING ENGAGEMENTS

Build with AI - Google Developer Student Club, Ilorin • **LinkedIn** • **Project Link**

Workshop: "A Movie Recommendation System in 30 Minutes"

- Orchestrated a session that guided 40+ participants through constructing a movie recommender with Python and collaborative filtering, receiving overwhelmingly positive feedback and inspiring future participation

Women Techmakers Ilorin • **LinkedIn**

Talk: "From Numbers to Know-How: How Machines Learn"

- Explained core machine learning concepts to 30+ secondary school students and tech enthusiasts, bridging technical ideas with real-world impact

DevFest Ilorin 2024 • **LinkedIn**

Talk: "The Current State of AI"

- Presented comprehensive findings at DevFest Ilorin 2024, detailing the limitations of current AI systems in replicating human-like general intelligence, sparking productive discussions with 50+ attendees

EDUCATION

University of Ilorin, *Kwara, Nigeria* • BSC Computer Science   *Graduation Year (10/2022)*

CERTIFICATIONS

Introduction to Programming using Python
Introduction to Data Science using Python
Unsupervised Learning, Recommenders, Reinforcement Learning
Supervised Machine Learning: Regression and Classification