Latifah Usaini Bashir

Data Analyst | Machine Learning & Data Engineering

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PROFESSIONAL SUMMARY

Data Analyst with 2+ years of experience automating reporting pipelines and building decision-ready dashboards, plus hands-on machine learning experience training and evaluating models on production-scale datasets (7,000+ to 1,000,000+ rows). Proficient in Python, SQL, TensorFlow, and the scikit-learn/Pandas/NumPy stack, with a Google-certified analytics background and an MSc in Computer Science. Immediately available.

WORK EXPERIENCE

Machine Learning Engineering Intern | Flyrank (Remote) *Jul 2026 – Present*

- Analyzed a 30,000-row anonymized content dataset to build a content-opportunity scoring approach, prioritizing pages for editorial review. GitHub
- Benchmarked a hand-written baseline against decision-tree models using Precision@20 and Precision@50 to evaluate ranking quality.
- Diagnosed overfitting and data leakage through held-out evaluation, catching a leakage-driven 1.000 Precision@50 before it reached reported metrics.
- Applied Python, Pandas, and scikit-learn for feature preparation, model evaluation, and documented experiment analysis.

Data Analyst | Emox-fina Packaging Limited *Feb 2021 – Apr 2023*

- Automated Excel-based reporting pipelines for financial, stock, and sales data, cutting manual processing time by 30% and improving cross-team data consistency.
- Built dashboards converting raw transactional data into decision-ready reports for non-technical stakeholders, supporting faster inventory and sales decisions.
- Maintained LPO/dispatch records and resolved routine IT issues, improving team operational efficiency by 20%.

TECHNICAL TRAINING

Women Techsters Fellowship — Data Science & Engineering Track (Aug 2025–Present): 6-month intensive covering Python, SQL, ML, data engineering, and pipeline design. Mentorship projects included:

- Hand gesture classifier (6 gestures) — EfficientNetB0 reached 96.7% test accuracy vs. a 68.2% CNN baseline. GitHub
- Ecommerce Sales Performance & Time Intelligence Dashboard — interactive Power BI dashboard across products, regions, and time. GitHub
- Retail Sales Analysis (MySQL) — end-to-end SQL analytics workflow answering real business questions over 1,000,000 retail transaction records.

3MTT — AI/Machine Learning Track (Feb 2026 – Aug 2026): applied ML workflows and AI-driven problem solving.

- Nigerian Loan Default Risk Predictor for Micro-Lenders & POS Agents — benchmarked 9 model variants; XGBoost (class-weighted) best, 0.434 precision / 0.621 recall. GitHub
- Airbnb Price Prediction, New York City — 3 models compared; Random Forest best ($R^2 = 0.628$). GitHub

TECHNICAL SKILLS

- **Languages:** Python, SQL (MySQL)
- **ML & Data:** Pandas, NumPy, scikit-learn, XGBoost, LightGBM, TensorFlow
- **Visualization & BI:** Power BI, Tableau, Excel
- **Other:** Web scraping (BeautifulSoup), Git, REST API consumption, NLP

PROJECTS

Customer Churn Prediction & BI Platform — Lead ML Engineer, 7-person team. GitHub

- Owned model development end-to-end (training, evaluation, and the predict.py serving layer behind the project's FastAPI /predict endpoint) for a 7,043-customer telecom churn dataset.
- Benchmarked 5 models and selected the best performer — Logistic Regression at 80.2% accuracy and 84.9% ROC AUC — to power a Power BI dashboard.

Job Market Analysis (Web Scraping) — GitHub

- Engineered a Python/BeautifulSoup pipeline to scrape, clean, and structure 3,360 job postings across 210 pages, surfacing hiring trends, in-demand skills, and salary patterns.

LexGuard — rule-based NLP legal risk-clause detector. 1st Place, 3MTT Ogun State Knowledge Showcase. GitHub

EDUCATION

- **MSc, Computer Science** — University of Ibadan, Nigeria (2022–2024)
- **BSc, Computer Science, Second Class Upper Division** — Kano University of Science & Technology, Wudil (2014–2018)

CERTIFICATIONS, PUBLICATION & VOLUNTEERING

- Google Advanced Data Analytics Certificate • AI for Business Professionals, HP Life
- L.U. Bashir et al. (2024), *Metaphor Detection in Nigerian Poetry using ML Techniques*, Afr. J. Comp. & ICT. Link
- Tech Girls Drive Volunteer, Tech4Dev — educated ~140 secondary school girls on STEM careers and opportunities in technology.