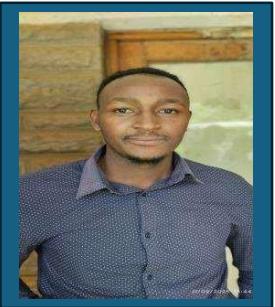


Anthony Ndegwa

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[GitHub](#) | [Linkedin](#) | [Portfolio](#)



Professional Summary

Data Scientist and AI/ML Engineer with hands-on experience in machine learning, statistical modeling, data engineering, and visualization. Skilled in building and deploying predictive models, generative AI applications, and end-to-end data pipelines. Proficient in Python, SQL, TensorFlow, PyTorch, Power BI, and Tableau. Adept at transforming complex datasets into actionable insights, optimizing business processes, and developing scalable AI-driven solutions. Passionate about driving innovation and business impact through data science, AI, and cloud-based analytics.

Core Competencies

- Machine Learning & AI (Supervised, Unsupervised, Generative AI, Computer Vision)
 - Statistical Modeling & Forecasting (ARIMA, Regression, Time-Series)
 - Data Preprocessing, ETL & Big Data (Python, Pandas, SQL, Spark, BigQuery)
 - Cloud & MLOps (GCP, AWS, CI/CD, Model Deployment & Monitoring)
 - Data Visualization & BI (Power BI, Tableau, Matplotlib, Seaborn)
 - Database Management (PostgreSQL, MySQL, MongoDB)
 - API Development & Integration (REST APIs, Flask, FastAPI)
 - LLMs & GenAI (Integration and fine-tuning of large language models)
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Professional Experience

Data Analyst | Broadway Bakery Ltd - Thika, Kenya

Sep 2024 — Present

- Developed ML forecasting models (ARIMA, regression) to optimize raw material procurement and align production with demand.
- Built automated Power BI and Streamlit dashboards, enhancing decision-making with real-time insights on production, inventory, and delivery.

- Designed and implemented ETL pipelines integrating sales, supply chain, and manufacturing datasets.
- Collaborated cross-functionally to reduce rejected batches by 15% through predictive quality control analytics.
- Partnered with finance teams to track costs, integrating analytics insights into strategic pricing workflows.

Data Analyst Intern | Nunga Design - Nairobi, Kenya

Jun 2024 — Sep 2024

- Built and deployed ML models (clustering, regression) to identify customer patterns and predict sales.
- Designed BI dashboards in Power BI and Tableau for forecasting and business insights.
- Assisted in data pipeline design, ensuring clean and reliable data for analytics.

Quality Assurance Analyst | QaceTech - Remote (Nigeria)

Jan 2024 — May 2024

- Validated data-driven applications, ensuring ML models produced accurate outputs.
- Conducted API and backend testing, improving reliability of AI-driven services.

Education

Bachelor of Science in Statistics & Information Technology

The Co-operative University of Kenya 2021—2025

Certifications

- Artificial Intelligence — ALX
- Software Engineering — ALX
- Data Science with Python — Saylor Academy
- Digital I Marketing — ACWICT
- Values-Centered Leadership — DePaul University
- Software Testing — Qace Academy

Key Projects

- Sales & Demand Forecasting — Developed time-series ARIMA models to forecast bakery product demand.
 - Customer Churn Prediction — Applied logistic regression to predict customer retention.
 - AI-Powered E-commerce Backend — Designed API-driven system with ML-based product recommendations.
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Soft Skills

- Strong Analytical & Problem-Solving Skills
- Effective Communication with Technical & Non-Technical Stakeholders
- Detail-Oriented with Focus on Data Quality
- Agile Collaboration & Cross-Functional Teamwork
- Fast Learner, Adaptable to New Tools & Technologies