

Ann Njambi Gatimu

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Professional Summary

Data Science and Analytics professional with hands-on experience in data analysis, business intelligence, machine learning, backend development, and database systems. Skilled in cleaning, transforming, analyzing, visualizing, and interpreting data using SQL, Python, Power BI, Excel, and Tableau. Experienced in developing APIs and data-driven applications using FastAPI and PostgreSQL, extracting actionable insights, communicating findings, and making data-driven recommendations. Knowledgeable in NLP, sentiment analysis, information retrieval, data mining, data warehousing, NoSQL databases, cloud computing, data governance, and database management.

Education

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

Bachelor of Science in Data Science and Analytics

Expected Dec 2026

Nairobi, Kenya

Relevant Coursework

- Machine Learning
- Data Mining
- Data Warehousing
- Database Management
- Database Systems
- Analysis of Large Datasets
- Data Analysis
- Data Visualization
- Big Data Analytics
- Natural Language Processing
- Sentiment Analysis
- Information Retrieval
- NoSQL Databases
- Artificial Intelligence
- GIS
- Cloud Computing
- Legal and Policy
- Entrepreneurship
- Probability & Statistics

Professional Experience

Analyst Lab Africa

Data Analyst Intern

Jul 2026 – Aug 2026

Remote

- Cleaned, transformed, and prepared datasets for analysis using SQL, Python, Power BI, and Microsoft Excel.
- Performed exploratory data analysis and created visualizations to identify trends, patterns, and business performance indicators.
- Interpreted analytical findings, communicated key insights, and developed data-driven recommendations to support decision-making.
- Worked across multiple analytical tools to transform raw datasets into clear and actionable business intelligence.

BCK Kenya

Software Developer

Jun 2025 – Sep 2025

Nairobi, Kenya

- Designed and developed RESTful APIs using FastAPI with JWT authentication, role-based access control, and rate limiting.
- Implemented validation and structured error handling across API endpoints, improving data integrity and system reliability.
- Worked with PostgreSQL databases and implemented CRUD operations for backend applications.
- Used Docker and Docker Compose to support consistent development and deployment environments.

DevTown

Database Management & SQL Mastery Boot Camp Participant

2026

Online

- Completed a 5-day bootcamp focused on Database Management Systems (DBMS), SQL, relational database concepts, and practical database development.
- Strengthened skills in SQL querying, database design, data manipulation, and structured data management through hands-on project work.

Jomo Kenyatta University of Agriculture and Technology

Data Analyst

Jun 2024 – Aug 2024

Nairobi, Kenya

- Extracted, cleaned, and transformed datasets using SQL and Python Pandas for reporting and analytics.
- Built ETL workflows and developed Power BI dashboards for data visualization and reporting.
- Conducted exploratory data analysis and statistical analysis to identify trends and patterns.
- Presented analytical findings and visualizations to support data-driven decision-making.

StudyPool

Online Academic Tutor

2022 – 2024

Remote

- Tutored students in data science, mathematics, programming, and statistics across multiple academic levels.
- Developed clear technical explanations and guided learners through analytical and problem-solving approaches.
- Managed multiple concurrent tutoring requests while maintaining effective communication and timely delivery.

Projects

M-Pesa Transaction Categorization System | *Python, NLP, SQL, scikit-learn, Pandas*

2025

- Built a hybrid machine learning pipeline combining weak supervision, NLP preprocessing, and classification models for automated transaction categorization.
- Implemented TF-IDF, n-grams, stopwords processing, regex-based labeling, and feature engineering for transaction classification.
- Applied machine learning models including Logistic Regression, Linear SVM, Random Forest, and XGBoost with SMOTE for class balancing.

Telco Customer Churn Analysis | *Python, Pandas, NumPy, Excel, Statistical Analysis*

2026

- Cleaned, transformed, and analyzed telecommunications customer data to identify variables associated with customer churn.
- Evaluated relationships between customer tenure, contract length, and churn behavior using exploratory and statistical analysis.
- Identified customer tenure and contract length as important factors associated with customer churn.

Superstore Sales Analysis | *SQL, Power BI, Excel*

2026

- Cleaned, queried, and analyzed Superstore sales data using SQL to evaluate sales, profit, customer, product, and regional performance.
- Developed an interactive Power BI dashboard to visualize key performance indicators, trends, and category-level insights.
- Translated analytical findings into actionable business insights and recommendations to support sales and profitability decisions.

Public Health Data Analysis & Dynamic Dashboard System | *Microsoft Excel, Statistical Analysis*

2026

- Cleaned and transformed public health datasets and conducted descriptive and statistical analysis to identify key patterns and trends.
- Developed an interactive Excel dashboard for monitoring health indicators and communicating analytical insights.
- Implemented dynamic formulas and visualizations enabling the dashboard to update when underlying data changes.

Product Inventory Management System | *FastAPI, PostgreSQL, Docker, JWT*

2025

- Developed a backend CRUD API supporting inventory management, authentication, and role-based access control.
- Integrated PostgreSQL with Docker containerization and CSV export functionality for inventory tracking.
- Implemented Pydantic validation and structured backend architecture for reliable system operations.

Interactive Business Intelligence Dashboards | *Power BI, Excel, PostgreSQL*

2025

- Designed interactive dashboards for sales analysis, customer segmentation, and business performance tracking.
- Created DAX calculations and automated reporting workflows for business intelligence analysis.
- Integrated Power Query and PostgreSQL pipelines for dynamic reporting and analytics.

Rice Management & Sales Analytics System | *FastAPI, PostgreSQL, Docker, Power BI*

2025

- Built a backend management system for tracking rice sales, debts, customer activity, and purchases.
- Developed analytics and reporting features supporting financial tracking and business decision-making.
- Automated data export and reporting workflows for business monitoring.

Technical Skills

Programming: Python, SQL, JavaScript, Bash, HTML/CSS

Data Analysis & BI: Power BI, Tableau, Microsoft Excel, Power Query, DAX, Data Visualization

Databases: PostgreSQL, Database Management, Database Design, Data Modeling, Query Optimization, NoSQL

Data Engineering & Governance: ETL, Data Warehousing, Data Quality, Data Governance, Data Modeling

AI & Machine Learning: Artificial Intelligence, Machine Learning, Data Mining, NLP, Sentiment Analysis, Information Retrieval

Data Science: Pandas, NumPy, scikit-learn, TF-IDF, Feature Engineering, Statistical Analysis

Backend Development: FastAPI, REST APIs, JWT Authentication, RBAC, Pydantic, CRUD

Tools & Technologies: Docker, Docker Compose, Git, GitHub, GitLab, Slack, VS Code, Google Colab, Cloud Computing

Certifications

Artificial Intelligence Simplilearn	2026 Online
– Completed a certificate course in Artificial Intelligence covering foundational AI concepts, applications, and machine learning principles.	
DBMS & SQL Mastery – Build Strong Database Fundamentals DevTown in collaboration with Microsoft Student Chapter – GNIT	2026 Online
– Certificate of participation and project completion for a 5-day bootcamp focused on DBMS, SQL, and strong database fundamentals.	
Deloitte Australia Data Analytics Job Simulation Forage	2025 Remote
– Completed a data analytics and forensic technology simulation project.	
– Created Tableau dashboards and analyzed business datasets using Excel.	
– Generated business insights and executive-level recommendations from analytical findings.	

Leadership & Volunteer Experience

TLX Youth Empowerment Program Youth Empowerment Volunteer & Project Leader	May 2024 – Jul 2024 Nairobi, Kenya
– Led volunteer teams during renovation and youth empowerment initiatives serving the local community.	
– Managed scheduling, coordination, milestone tracking, and volunteer engagement activities.	
– Applied data tracking methods to monitor participation and community impact metrics.	

Awards & Recognition

- Certificate of Completion – Deloitte Australia Data Analytics Job Simulation (2025)
- Certificate of Participation – TLX Community Youth Empowerment Programme (2024)

References

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