RONALD NYASHA KANYEPI

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EDUCATION

EMORY UNIVERSITY – GOIZUETA BUSINESS SCHOOL   Atlanta, GA
Master of Science in Business Analytics (MSBA) -STEM credentialed program   *May 2025*

- Coursework: Business Statistics, Managing Big Data, Introduction to Business Analytics, AI and Machine Learning, Data Visualization, Decision Analytics and Optimization, Network Analytics, Deep Learning and Reinforcement Learning

UNIVERSITY OF ZIMBABWE   Harare, Zimbabwe
Bachelor of Business Studies and Computing Science   *December 2021*

TECHNICAL CAPABILITIES

Languages:	Python (Pandas, Numpy, Seaborn, Scikit-learn, TensorFlow, Matplotlib, Jupyter), R(Rstudio), SQL, Java
Skills:	AWS (S3, Glue, RedShift, Athena), BigQuery, GCP, Hadoop, Spark, NoSQL, Kafka, Hive, Power BI, Excel, Tableau, Dash, Streamlit, Data Modeling, ETL Pipelines, Data Integration, Distributed Systems, Docker, Data Workflows, MapReduce,DBT, Apache Airflow ,LLM
Certifications:	OCP Java SE 11 Developer, Microsoft Azure AI Fundamentals, Databricks: Generative AI Fundamentals

SELECTED PROJECTS

Log-Realtime-Analysis Project - [GitHub](#)   *December 2024*

- Designed a scalable architecture for real-time log processing and visualization, handling 60,000 log events per second using a Kafka-Spark ETL pipeline, DynamoDB for real-time metric storage, and Python Dash for interactive dashboards.

Sports Ticket Sales Forecasting - [GitHub](#)   *February 2025*

- Achieved 3.3% forecast error in predicting Atlanta Braves ticket sales, the most accurate in the competition. Developed XGBoost, ARIMA, and LSTM models, integrating historical attendance, promotions, weather, and scheduling data to enhance forecasting precision.

PROFESSIONAL EXPERIENCE

PENNYBACKER CAPITAL   Austin, Texas
Data Scientist   *December 2024 -Present*

- Designed and deployed machine learning models to forecast quarterly Gross Asset Value (GAV) for a \$4B+ real estate portfolio across multifamily and commercial asset classes, achieving 1% MAPE for short-term forecasts.
- Worked on Databricks to integrate 50+ internal datasets and scraped Google Reviews for sentiment analysis using NLP to flag operational risks.
- Deployed scalable models via MLflow, tuned with Optuna, and explained outputs using SHAP and LIME values.

AFC COMMERCIAL BANK   Harare, Zimbabwe
Cards and Merchant Services Manager   *March 2024 – June 2024*

- Supervised a cross-functional team of 20 on the VISA prepaid card project for AFC Bank, developing platinum and classic cards thereby enhancing revenue from retail operations by over 60%.
- Led the partnership between OK-Supermarket and AFC Bank for the OK Grand Challenge promotion, driving data-driven marketing strategies; effort generated a 200% increase in POS transactions across 70+ outlets.
- Developed a data visualization dashboard using Python, Apache Spark and Dash Plotly to analyze 20000+ ATM and POS terminal activity, providing critical insights and facilitating in-depth analysis and swift resolution of operational issues.
- Implemented an XGBoost model to predict point-of-sale client churn, enhancing targeted retention campaign effectiveness by 25% and reducing churn rates by 15% within two months.

Data Specialist - Digital Transformation   *June 2022 – February 2024*

- Developed a Python backend with FastAPI to integrate the Reserve Bank of Zimbabwe (RBZ) web service for the Credit Reference Bureau (CRB), reducing data processing time by 40% while enhancing regulatory compliance.
- Built ETL data pipelines using Apache Kafka and Python to integrate data from the core banking system, delivering accurate account data metrics across 45 AFC Commercial Bank branches.
- Redesigned and optimized merchant reporting services with Apache Airflow and DBT, automating manual processes and increasing efficiency by 80%, while delivering insights on transaction performance to key stakeholders.
- Modernized a monolithic reconciliation app into scalable microservices using Docker, Python, FastAPI, Kubernetes and Angular, boosting efficiency by 150%.