

Lionel Nyamhunzi

Data Scientist|Microsoft Certified Data Analyst|FRM Candidate|AWS Practitioner

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SUMMARY

Data Scientist and Microsoft Certified Power BI Analyst with 3+ years’ experience delivering scalable machine learning models, advanced data pipelines, and interactive dashboards across finance, telecommunications, agritech, and retail sectors. Proficient in Python, TensorFlow, SQL/NoSQL, Apache Spark, and AWS. Demonstrated success in financial risk modeling, customer analytics, and operational optimization for high-profile clients in SADC. Skilled collaborator in agile teams, driving actionable insights and data-driven decision-making.

WORK EXPERIENCE

Data Scientist Consultant, Dupleix Institute	07/2024 – 05/2025 Johannesburg, South Africa
<ul style="list-style-type: none">• Collaborated in team-based data science and machine learning projects building financial models for clients in SADC using TensorFlow.• Engineered interactive Excel and Power BI dashboards for high-profile clients, including Botswana Bank and TNM MPamba Malawi.• Executed comprehensive data analysis using Power BI, Matplotlib, Tableau, and Excel to derive actionable insights and implementing financial reporting.• Developed and deployed natural language processing models to analyze sentiment and customer feedback.• Optimized data manipulation processes utilizing SQL, NoSQL to ensure efficient data handling and maintained large-scale datasets and used Apache Spark• Developed financial risk models to support strategic decision making. Applied AI and machine learning techniques in finance to enhance predictive accuracy.• Administered risk management and compliance measures, ensuring adherence to industry standards.• Implemented AWS services such as S3, EC2, and SageMaker for scalable model training, data storage, and deployment in production environments.	
Data/Business Analyst Consultant (Part time), Silicon Finance	12/2022 – 02/2025 Harare, Zimbabwe
<ul style="list-style-type: none">• Developed databases and data manipulation task leveraging SQL, Access, Excel to enhance the quality of data. Devised interactive Power BI dashboards and reports to facilitate data driven decision-making.• Conducted data analysis using Power BI, Tableau, and Excel to drive action Business insights• Monitored KPIs and business performance metrics by developing insightful dashboards and maintained reports.• Championed the role of Lead Data Analytics Tutor, guiding peers in sophisticated analytical methodologies.	
Data Capturer Clerk, BAK Logistics	04/2022 – 08/2022 Harare, Zimbabwe
<ul style="list-style-type: none">• Performed data entry tasks utilizing Excel to ensure precise information capture.• Generated comprehensive reports for operational review and strategic formulation. Utilized various systems and software for effective data processing.• Managed documentation and compliance activities to align with industry regulations.	

EDUCATION

Bachelor of Science (Honors) in Data Science and Systems,

Harare, Zimbabwe

University of Zimbabwe

11 Distinctions and 10 Merits

Advanced Level (A-Level), *First Class Academy-Mutare*

Subjects: Pure Mathematics, Accounting, Business Studies, Statistics Score: 19

Points

Ordinary Level (O-Level), *Hartzell High School-Mutare*

10 Subjects including Mathematics, English, and Science

SKILLS

Technical Skills

Python, R, Java, SQL, Power BI, Excel, Tableau, SPSS, Hadoop.

ICT Skills

Strong working knowledge of MS Office and data processing applications, Laravel, Django

Data Analytics & Visualization

Business intelligence reporting, dashboard development, statistical modeling, and machine learning.

Soft Skills

Strong interpersonal skills, excellent communication, leadership, adaptability, and teamwork.

PROJECTS

IFRS9 Model (Credit Risk Assessment), *Python, Scikit-learn, Pandas, Excel, Power BI, Django*

- Developed a predictive model using logistic regression and decision trees to assess credit risk for a leading bank. Model was used both financial and nonfinancial to predict likelihood of default.
- Improved the accuracy of credit risk assessment by 25% and reduced the number of false positives by 30%

Financial Forecasting and Budgeting for a Retail Company, *Excel, Tableau, Python*

Developed financial forecasting and budgeting model for retail company using historical sales data, seasonal trends and economic indicators. The model used combination of ARIMA and machine learning algorithms.

Data analysis, financial modeling, forecasting and budgeting and also stress testing tools.

Data visualization and Business Intelligence Analytics for clients

Data visualization and Business Intelligence Analytics for clients, *Tableau, Power BI, Excel, SQL, SSAS*

- Developed real time analysis and interactive data visualization and storytelling projects to communicate complex data insights to stakeholders. Projects used data visualization tools to create interactive dashboards

Improved risk management decision making by 30% and reporting time.

Demand for forecasting for Inventory optimization, *Python, Scikit-learn, Pandas, Excel, Power BI*

- Developed a demand forecasting model using machine learning algorithm to predict future demand for manufacturing company.
- Improved forecast accuracy by 23.5% and reduced inventory levels by 1.7% and decreased stockout by 8%

Developed a recommendation system for e-commerce website, *NLTK, Python, Scikit-learn, Pandas*

- Developed a recommendation system using collaborative filtering and natural language processing for an ecommerce
- Improved sales by 5% and increased customer engaged by 13%