

CURRICULUM VITAE

LISITA MWEPU

292 Furrow Road,
Pretoria, GP, 0184,
Pretoria, South Africa
+27605673250
lisita.mwepu@Hotmail.com

Nationality: **Zambian**
Marital Status: **Single**
Gender: **Male**
D.O.B: **18.09.90**
PERN: **QKCN7QP**

Personal and Professional Profile

RESUME OBJECTIVE

Passionate and results-oriented Data Scientist with over 10 years of experience in creating Machine Learning and AI products that drive actionable business insights. Proven track record of developing predictive models, working with large and varied datasets, and contributing to the global Machine Learning and AI community. Adept at collaborating across diverse teams, leveraging advanced analytics, technology, and data functions. Excels in delivering key packages of work to meet the business needs, deploying models in containerized environments, and creating insightful dashboards for faster decision-making.

PROFESSIONAL EXPERIENCE

Micro-Finance Africa /J24 resources– Johannesburg/South Africa
Data Scientist

January 2023 –to-date

- Led and contributed to various data science projects, focusing on time-series data, computer vision, simulation, generative AI, and AI governance.
- Developed Machine Learning and AI products providing actionable business insights to Micro-Finance and stakeholders.
- Worked collaboratively with colleagues across Advanced Analytics, technology, and data and customer functions.
- Developed and deployed quantitative advanced analytics models to answer business questions and identify opportunities for improvement, increased revenue, or reduced costs.
- Applied predictive modeling techniques (statistical and machine learning) throughout the data science lifecycle.
- Led the development and implementation of AI-based quality assurance initiatives in a global production network.
- Contributed to the end-to-end quality control cycle using state-of-the-art technologies.
- Worked in an international feature team, collaborating on Industry 4.0 developments.
- Applied expertise in Cloud, Edge computing, and machine learning algorithms.
- Utilized deep learning frameworks such as TensorFlow and PyTorch for building predictive models.

- Demonstrated proficiency in Python for software engineering tasks.
- Leveraged Computer Vision techniques and algorithms for enhancing quality control processes.
- Applied problem-solving skills to address business scenarios with deep learning algorithms.
- Familiarity with tools including Azure Machine Learning, Docker, GitOps, and Kubernetes.
- Collaborated with stakeholders to frame data analysis in terms of the decision-making process for specific business areas.
- Ensured compliance with regulatory requirements such as NCR, POPIA, and SARB.
- Collaborated with cross-functional teams to identify and analyze business problems, resulting in [mention a specific achievement or project].
- Developed advanced statistical models and algorithms to extract actionable insights from complex datasets, contributing to [mention specific outcomes].
- Applied machine learning techniques to predict and optimize key business outcomes, resulting in [mention specific improvements].
- Designed and implemented experiments, conducting A/B testing to evaluate hypotheses, leading to [mention specific findings].
- Effectively communicated findings and recommendations to non-technical stakeholders, ensuring clear understanding and buy-in.
- Contributed to the global Machine Learning and AI community on linkedin.
- Built predictive models with large and varied datasets on the Big Data Platform.
- Implemented prototype code in PySpark for automated training and scoring of machine learning models.
- Tracked and reported machine learning model performance using tools like Qlik.
- Utilized data visualization to engage audiences and enable effective storytelling.
- Collaborated with lead data scientist for key business customer deliverables.
- Worked with Big Data Engineering for data ingestion and model automation.
- Deployed models in containerized environments using Docker and Kubernetes for on-prem and cloud deployment.
- Developed insightful dashboards for faster decision-making.
- Identified new data sources and evaluated emerging technologies for data discovery.
- Mentored junior data scientists in the team.
- Presented results to technical and non-technical audiences.
- Collaborated with data engineers and systems architects to deploy successful prototypes and ensured seamless integration.
- Provided technical insights to both technical and non-technical stakeholders, facilitating effective communication.
-

ZANACO– Johannesburg/South Africa
Data Scientist
December 2022

June 2015 –to-

- Built predictive models and machine learning algorithms that increased sales forecast accuracy by 15%.
- Leveraged sentiment analysis of 2000+ tweets to uncover insights that optimized marketing strategies.

- Developed personalized recommendation engine prototype that identified sales upsell opportunities.
- Refined personalization algorithms using machine learning to improve experience for 1M+ customers.
- Used statistical analysis and data mining to enhance product quality and customer satisfaction.
- Automating processes using Microsoft Power apps
- Led the collection, extraction, and compilation of data from various sources, ensuring accuracy and completeness.
- Cleaned and transformed raw data into structured datasets for analysis using SQL, SAS, Python, and Big Query.
- Identified and resolved data quality issues, inconsistencies, and anomalies.
- Conducted exploratory data analysis to identify trends, patterns, and relationships within the data.
- Applied statistical techniques and data visualization methods to interpret and present findings.
- Collaborated with cross-functional teams to support data-driven decision-making processes.
- Created visualizations, dashboards, and reports to effectively communicate data insights using Google Looker.
- Provided analytical support for business initiatives, including market analysis, customer segmentation, and performance tracking.
- Ensured compliance with data governance policies, data protection regulations, and security protocols.

NetOne I.T – Lusaka, Zambia

Data Scientist

February 2014 – August 2014

- Developed predictive models using machine learning that forecasted new product sales with 95% accuracy.
- Applied data mining techniques to uncover customer insights, improving marketing strategy development.
- Leveraged predictive analytics and statistical modeling to optimize business outcomes.

EDUCATION

Pursing Certificate in Financial Technology with www.certfintech.org

MBA in Strategy with University of Zambia

GPA 3.8/4

THE UNIVERSITY OF GREENWICH– Greenwich, UK

Bachelor of Computer Science, June 2014

<https://www.linkedin.com/in/lisita-mwepu-10ab555a/>

Prince2 Foundation

ITIL Foundation

GPA 3.9/4

ADDITIONAL SKILLS

- Proficient in Python, R, Spark, SQL, and machine learning libraries like Scikit-Learn.

- Experienced with statistical modeling tools including SPSS, Stata, RStudio.
- Skilled in data visualization using Tableau, Matplotlib, Seaborn.
- Knowledgeable in predictive modeling, data mining algorithms, sentiment analysis.
- Leadership abilities: provided training and mentoring to junior data scientists.
- Motivational team leader and mentor for junior data scientists.
- Ability to communicate data insights and strategy effectively to stakeholders.
- Innovative thinker skilled at developing data-driven business strategies and solutions.
- Adept at understanding the big picture and broader business context.
- Proficient in SQL and database management.
- Solid understanding of version control using Git.
- Hands-on experience with NLP packages and models.
- Proficient with TensorFlow and/or PyTorch.
- Experience with Spark and/or Dask for big data processing
- In-depth knowledge of functional business areas, particularly in Credit.
- Familiarity with regulatory requirements such as NCR, POPIA, and SARB.
- Proficiency in business analysis, requirements gathering, translating into business requirement specifications, and designing/delivering business solutions.
- Experience with modern software development best practices.
- Working knowledge of cloud environments (e.g., Azure, AWS) and different operating systems/databases/programming languages.
- Expertise in predictive modeling techniques and deployment.
- Proficient in extracting, aggregating, cleaning, and analyzing data from large relational databases.
- Familiarity with the Data Science lifecycle and applicable skills.

Referees

Mr. Benny Chisonga
DATAMINE
Postal code :2159
Johannesburg, South Africa
+2773 359 3226
bchisonga@yahoo.com

Mr. Matthew Grollnek
Netone IT
P.O. Box 37680
Lusaka
0967793512
matthew.j.grollnek@gmail.com

Mr. Bell Kapata
Sanlam Insurance
P.O Box 33611
Bellville Cape town
+27731972464
bkatapa@gmail.com