Tatenda Mukonoweshuro

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Profile

Motivated and passionate about AWS and cloud technologies, with a strong background in data science, machine learning, and data transformation. Adept at solving real-world data challenges and building innovative solutions.

Education

University of Zimbabwe   2020 – 2025
B. Tech in Mathematics and Computational Science

Experience

Claxon Actuaries   Harare, October 2023 – August 2024
Data Science Intern

- Developed IFRS 9 ECL models leveraging machine learning and survival models.
- Built and optimized data transformation pipelines in Python.
- Created dashboards in Power BI for actionable insights.
- Conducted advanced data cleaning and management processes.

H&J Consultancy   Harare, September 2022 – September 2023
Data Clerk (Part-time)

- Supported data collection and analysis for a UNECA survey on COVID-19's impact on small businesses.
- Ensured data accuracy and integrity during the project lifecycle.

Selected Projects

Data Transformation Lab

- Designed and developed an end-to-end data cleaning tool with features like:
  - Mandatory Columns Check, Missing Loan ID Detection, Date Standardization, Numeric Conversion, and Duplicate Detection.
- Planned for deployment on AWS using S3 and Lambda for seamless scalability.
- *Tech Stack:* FastAPI (Backend), React (Frontend), Pandas, NumPy.
- Enabled seamless handling of structured datasets with universal compatibility across formats.

Fraud Detection System

- Conducted data cleaning and feature engineering for fraud detection datasets.
- Trained and evaluated models using decision trees, logistic regression, and random forests, XGBOOST

Skills

Languages: Python, MySQL
Tools & Platforms: AWS (S3, IAM, SageMaker), Power BI, FastAPI, React, Excel
Libraries: Pandas, NumPy, Matplotlib
Key Competencies: Cloud Computing, Machine Learning, Data Cleaning, Data Transformation

Certifications

- *AI Programming with Python Nanodegree* (Udacity & Amazon)
- *Machine Learning Fundamentals Advanced Nanodegree* (Udacity & AWS)
- *Introduction to Machine Learning in Production*
- *Machine Learning Data Lifecycle in Production*