HAPPY MALAMUZI

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Objective

A detail-oriented and motivated ICT graduate with a specialization in Data Analysis. Possesses strong technical skills in data management, software development, and problem-solving. Seeking an internship opportunity to apply academic knowledge in a professional environment while gaining practical experience.

Education

Mubarak Complex College
Advanced Diploma in Information and Communication Technology (ICT), Data Analytics Track
April 2023 – January 2025

- Relevant Coursework: System Design, Statistics, Database Systems, Information Systems.

- Capstone Project: Developed a predictive model for cardiovascular disease risk, identifying key factors contributing to heart attacks and providing early intervention strategies.

Technical Skills

- Data Collection & Analysis: ODK/KoboToolbox, Google Forms, SQL

- Programming: Python (Pandas, NumPy, Scikit-learn), SQL

- Data Visualization: Power BI, Excel, Matplotlib

- Database Management: MySQL, PostgreSQL, MongoDB

- Machine Learning: Regression, Classification Algorithms

- Survey Tools & Reporting: ODK, KoboToolbox, Google Sheets

Field & Research Skills

- Community Engagement & Facilitation

- Data Cleaning & Validation

- Report Writing & Documentation

- Interviewing & Survey Administration

- Team Collaboration & Stakeholder Engagement

Soft Skills

- Excellent Communication (English & Chichewa)

- Problem-Solving & Critical Thinking

- Attention to Detail & Data Accuracy

- Adaptability & Proactiveness

- Time Management & Organization

Projects

Predictive Model for Hospital Patient Readmission

- Built a machine learning model to predict heart attack risks with 86% accuracy.

- Processed large datasets, performed feature selection, and optimized predictive performance.

- Tools Used: Scikit-learn, Pandas, Matplotlib

COVID-19 Data Visualization Dashboard

- Developed an interactive Power BI dashboard tracking regional infection rates and vaccine distribution.

- Aggregated data from APIs, cleaned datasets using SQL, and presented insights for public health monitoring.

Student Performance Analysis

- Analyzed academic datasets to identify key factors affecting student performance.

- Created Excel-based dashboards to visualize performance trends.

Certifications

- Google Data Analytics Professional Certificate (Coursera)

- Microsoft Certified: Data Analyst Associate

- LetsUpgrade Data Analysis Certificates

Additional Experience (School Projects)

Village Hustle Survey (*September 2024 – 10 days*)

- Conducted community-based data collection to identify common income-generating activities in villages around Zomba.

- Designed and implemented a Google Sheets-based data collection system to ensure efficient survey management.

- Role: Data Collection & Analysis

- Outcome: Provided insights into local economic activities to inform development programs.

WiFi Utilization Survey (*December 2024 – 20 days*)

- Investigated WiFi usage patterns on Mubarak Complex College campus to improve connectivity.

- Developed a custom data collection app and created Excel-based dashboards for analysis.

- Role: App Development, Data Analysis, and Reporting

- Outcome: Provided actionable recommendations for WiFi infrastructure optimization.

Languages

- English & Chichewa

Referees

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