IAN KIBET KORIR

DATA SCIENTIST | DATA ANALYST

CONTACT

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Website
https://sirian71.github.io

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

TECH SKILLS

- · Python programming
- Data Structures
- Algorithms
- SQL, MySQL
- Data Cleaning
- Data analysis
- Machine Learning
- Linux Navigation
- System Administration

CERTIFICATIONS

Data Science

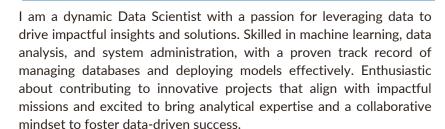
Data Science certification offered by Moringa School.

Linux Network Enginner

LPIC 2 - Certification course offered by Linux proffessional Institute.

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PROFILE





EDUCATION

Data Science

Moringa School

Bachelor of Computer Science

Masinde Muliro University

Kapsabet High School

Attained mean grade of B

02/2024 - 11/2024

2019 - 2023

2015 - 2018

EXPERIENCE

Junior Linux Systems Administrator

05/2023 - 07/2023

Linux Learning Centre

Nairobi, Kenya

I successfully executed a range of crucial tasks aligned with LPIC 1 and LPIC 2 certifications, contributing to the seamless functioning of the organization's IT infrastructure.

- Demonstrated proficiency in file system management, employing tools to handle file systems and partitions
- Installed, configured, and secured critical services including Apache for web hosting, MySQL/PostgreSQL for databases, and Postfix for mail services.
- Implemented robust security measures, including firewall configurations to secure file transfers via SSH.

Industrial Trainee

04/ 2021 - 06/2021

Kakamega, Kenya

Masinde Muliro University

I was trained on the following fields

- Database management and administration.
- · Technical support such as cabling.
- System management and administration.
- Documentation.
- · Network security and administration.
- OS installation

Linux System Administation

LPIC 1 - Certification course offered by Linux proffessional Institute.

REFERENCES

Whitney Atieno, Student Experience Team Lead. Moringa School. whitney.atieno@moringaschool.com

Mr. Anthony Mwai, Director, Linux Learning Centre, anthonymwai@gmail.com +254722343912



PROJECTS

Swahili Speech Emotion Recognition System

Implemented a machine learning model for detecting emotions in Swahili language audio samples, achieving a classification accuracy of 82%. Leveraged natural language processing and deep learning to classify emotions from voice recordings, filling a critical gap for Swahili-speaking regions. The project involved data preprocessing, feature extraction, and model optimization to reliably identify different emotional states.

Technologies Used: Python, TensorFlow/Keras, Librosa (for audio feature extraction), Natural Language Processing (NLP)

Link: https://github.com/Sirlan71/Speech-Emotion-Recognition-swahili

MovieLens Recommendation System

Built a recommendation system using the MovieLens dataset to provide personalized movie suggestions based on user preferences and viewing history. Implemented collaborative filtering and matrix factorization to improve recommendation relevance.

Technologies Used: Python, Pandas, Collaborative Filtering, Matrix Factorization

Link: https://github.com/Sirlan71/MovieLens-Recommendations-System

House Prices Prediction Model

Created a robust model to predict housing prices based on key features such as location, property size, and amenities. Focused on data preprocessing, feature selection, and model optimization to improve prediction accuracy, aiding real estate valuation insights.

Technologies Used: Python, Scikit-Learn, Pandas, Feature Engineering, Regression Analysis

Link: https://github.com/Sirlan71/House_Prices_Modeling

Chicago Crime Data Analysis and Prediction

Developed a machine learning model for analyzing and predicting crime trends in Chicago, achieving an accuracy rate of 87% in predicting high-crime areas. Employed data cleaning, feature engineering, and clustering techniques to identify patterns and forecast potential crime hotspots, contributing insights for proactive law enforcement.

Technologies Used: Python, Scikit-Learn, seaborn, Clustering

Link: https://github.com/Sirlan71/Chicago_crime_data_Ml