Samuel Kabati

Data science& Machine learning

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I am a data enthusiast willing to learn, unlearn & use common sense whilst taking pride in translating data points into business insights. Skilled at collecting, analysing and interpreting data, developing machine learning algorithms and performing data management tasks. Proficient knowledge in Programming, Statistics, Analytics & Analysis. Strong attention to detail and a significant capability to work in team environments or individually. Passionate about harnessing the power of data and innovative AI technology to make a better and easy tomorrow.

SKILLS

Programming Knowledge: Python, Pandas, SQL, NoSQL, Tableau, TensorFlow, Keras, Matplotlib, Git, Scikit-learn, Beautiful Soup, CSS, JavaScript

Conceptual: Machine Learning, Web Scraping, ETLs, Natural Language Processing, Neural Networks, Times Series, Bayesian Statistics, APIs, Dashboarding, AB testing

PROJECTS

Drowsiness Detection Using Neural Networks & Computer Vision

- Trained a Convolutional Neural Network on 4000 images to detect eye state
- Created an application using the CNN model that detects if a user is "asleep" and alerts them

Credit-Card-Customer-Market-segmentation

 Used unsupervised machine learning tools such as K-Means and PCA to segment credit card customers

Time-Series-Modelling-Forecasting-Zillow-Real-Estate-Prices

- This project was a time series analysis on Zillow's dataset on various locations around the United States.
- The main objective was to conduct a time series analysis to predict the five best locations to invest in Real Estate based on ROI.

Chest-X-ray-Pneumonia-Detection-with-CNNs

• Made a machine learning model trained with 6000 images to learn the most likely diagnosis as either positive or negative, given an X-Ray image. This would give patients more confidence in the diagnosis they receive. The model had 98% sensitivity and might help in improving the diagnostic accuracy of pneumonia.

EDUCATION

Sep 2018 – Jul 2022

B.Sc. Information Technology, Mount Kenya University

Apr 2022 - Sep 2022

Data Science Prep & core program, Moringa School

CERTIFICATIONS

May 2022

- Leading Yourself, LinkedIn
- Teamwork Foundations, LinkedIn

INVOLVEMENT & INTERESTS

Google Developers Students Club-Consists of groups for college and university students interested in Google developer technologies. Was actively involved in the club's introduction at Mount Kenya University.

REFEREES

Antonny Muiko

Senior Technical Mentor – Moringa School

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KarlMax Okoth

Product Engineer - Moja

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