MKHULULI NDLOVU

Email: mkhue47@gmail.com   **LinkedIn**: My LinkedIn

FULL STACK SOFTWARE DEVELOPER   **GitHub**: mk870   **Portfolio**: My Site

SKILLS

FRONTEND: JavaScript, CSS, HTML, React, NextJS, Styled-Components, Apollo-Client and Redux.

BACKEND: Java, Spring-Boot, Python, Flask, SQL and GraphQL.

MACHINE-LEARNING/AI: Scikit-Learn, Pandas, Tensorflow, Seaborn, Tableau, and Matplotlib.

TOOLS: Git, GitHub Actions, VS Code, Jupyter Notebook and Anaconda.

TECHNICAL EXPERIENCE

Movie Recommendation App: Source Code | Live Demo

- Built a recommendation engine using the Sigmoid Algorithm from a dataset of 6000 movies and a live movie twitter sentiment analysis using the Twitter API by utilizing a 75% accurate SVM algorithm from a dataset of 50 000 tweets. Built 2 Flask APIs to serve these models.
- Created a React frontend, utilizing React-Word Cloud, TMDB API and the YouTube API to create an app that integrates well with the flask APIs. Used Spring boot and MySQL to build a secure REST API that allows users to add and delete their favorite movies and actors.

Crypto Currency Price Prediction App: Source Code | Live Demo

- Built 3 crypto price predictors using Tensorflow by utilizing Bidirectional LSTM models with over 92% R-squared score each. Created a flask API to serve these models.
- Implemented a React frontend integrated with Voice Recognition, Redux, Coin Ranking API, React - Carousel and Chart-JS to build crypto dashboards and present the price predictions from the models. Used Spring boot and MySQL to build a secure REST API that allows users to add and delete crypto currencies to their watch lists.

Tokyo 2021 Olympics App: Source Code | Live Demo

- Built a Next Js app with Apollo-client, integrated it with the YouTube API to give the users major highlights. Used React-Tableau to show the Olympics data visualizations/analysis.
- Implemented a secure GraphQL spring boot API with MySQL to allow users to add, edit, delete likes/dislikes and comments on the Olympics' highlights.

EDUCATION

National University of Science and Technology: Bachelor of Commerce in Finance (2014-18)

Google – Coursera: Data Analytics Certificate   October 2021

NON-TECHNICAL EXPERIENCE

Ingwebu Breweries: Financial Auditor Intern   **Aug 2016 – Aug 2017**

World Vision: Financial Officer   **Aug 2020 – Apr 2022**