Esther Wavinya Ndavi

Geologist|Software Engineer|GIS enthusiast

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GitHub
LinkedIn

Skills

Programming Languages: Python, R, JavaScript. SQL, Node.js
Frameworks/Technologies: React.JS, Angular, Express, Django/Flask, Git.
Databases: PostgreSQL, MySQL, MongoDB.
Certifications: DataCamp Introduction to SQL & R, IBM Web development.
GIS Tools: QGIS, GEE, ArcGIS

Experience

UgTechMag / Technical Writer

February 2022-January 2023

UgTechMag is an internet based magazine that focuses on Technology related content such as mobile phones, and online services provided by different government organizations.

- Wrote how-to guides articles for Kenyan market consumption. Ensured Search Engine Optimization for the articles. Received an average of 200 reads daily increasing the magazine's subscribers and revenue by 10%.

Sibasi ltd / Software Engineer

August 2021- January 2023

Sibasi is a Gold Microsoft partner company that provides ICT services and solutions. Worked under senior Software Engineers and Data Engineers while:

- Developed fullstack web, mobile, and desktop applications using JavaScript, Angular, Flutter, and Azure for different clients.
- Cleaned & analysed data using SQL for internal use. Analysed and visualized data using PowerBI for various clients' power platforms and reports' dashboards thus increasing the number of clients by 30%.

RealBiz Digital / Fullstack Software Engineer Intern.

January 2021- August 2021

RealBiz is a software company focused on custom solutions, machine learning, graphic design and user experience design.

- Developed an e-commerce web app back-end using Python/Django that resulted in 5% revenue increase for the company.
- Wrote automated unit tests for the back-end effectively increasing test coverage from 75% to 95%, reducing bugs by 10%.
- Integrated the Paypal payment API to the app using Python/Django to manage user subscriptions and payments.
- Collaborated with and led a team of 3 interns by conducting daily stand-up meetings and creating prototypes for the app.
- Developed the product listings and checkout pages using bulma css and JavaScript resulting in 2x page download speed.

Spacious Place Consulting / Front-End Software Engineer Intern
June 2020- November 2020

Spacious place is a startup that aims to develop new socio-economic opportunities for businesses in Africa through technology.

- Developed client websites using Html,css, and JavaScript. Incorporated SEO into client websites, increasing conversion rates by 3%.
- Responsible for the construction of Spacious Place Consulting's online presence. Including the design of the website, and establishing new design standards. Increased revenue for the company by reaching out to prospective clients via LinkedIn and referrals.

Ministry of Petroelum and Mining / Attachee
April 2019 - August 2019

- Initial Sample preparation process of coding, drying, crushing and weighing.
- Petrographic specimen preparation for microscopic analysis.
- Qualitative analysis of solid samples using XRF.
- Use of Magnetic Separator for selective concentration of magnetic materials.
- Preparation of dimension stones and slabs from natural rocks.

Projects

Sentiment Analysis Tool

A tool used by brands to determine how they are perceived online.

- Developed a 90% accurate machine learning model that detects and predicts the sentiment score of a tweet mentioning a brand using: Twitter API, Python, and NLTK.
- Deployed the model and built a visualization dashboard using Plotly.

Andika AI - Chief Technology Officer

A web app that automatically generates ad copy and blog content for users. It's objective is to reduce writing time.

- Developed the app using the GPT-3 API , Flask and React.
- Implemented using the world's most powerful NLP model, GPT-3, to generate human-believable content, fast.

Relevant Coursework

Data Structures and Algorithms, Operating Systems, Distributed Systems, Software Systems Development, and Software Engineering.

Education

Moringa School / Data Science Engineering

February 2020 - August 2020

Python for Data Science, Data Analysis, Data Visualization, Data Modelling and Machine Learning.

University of Nairobi / Bsc in Geology

September 2017 - September 2021

- Economic Minerals, Energy & Water Resources.
- Environmental Geology & Geoinformatics(GIS).
- Marine Geology & Oceanography.
- Mineralogy, Petrology & Geochemistry.
- Seismology & Applied Geophysics.
- Structural Geology & Geotechnics Oil & gas Exploitation

Achievements

RedBull Basement| Nairobi, Kenya
September - November 2021

A global competition that seeks to encourage university students to solve problems using tech.

- Worked in a team and emerged the country winners with our project "Earth-entic" in the most competitive cycle yet.

KamiLimu Cohort 6.0 Mentee | Nairobi, Kenya
August 2021 - May 2022

An Award-winning mentorship program that up-skills STEM university students with skills not taught in a classroom setup.

- I was one of the 37 mentees accepted into the program with a 21% acceptance rate.