Olympiah Otieno

Student

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I am a student at the University of JKUAT who is very much an enthusiast of Data Science as a field. I am familiar with data visualizations using Power BI as well as querying data using SQL. Furthermore, I have experience doing frontend development using React and React Native and I am familiar with the Google cloud console. Additionally, my abilities extend to collaboration and teamwork with proficiency in problem-solving. I believe that data is going to change the world of technology in the future and thus most industries will be in need of data scientists. I hope to use the technical skills that I have gained to work on projects in teams or as an individual not only to gain knowledge but also create a stepping stone for me in this field.

Personal Details

- LinkedIn: https://www.linkedin.com/in/olympiah-otieno
- Github: https://github.com/Olympiah
- Personal website: https://my-portfolio-lake-eta-17.vercel.app/
- Plurasight: https://app.pluralsight.com/profile/olympiah-otieno

Skills

Skill	Rating
Problem Solving	Good
Front-end developer	Very Good
Data Visualization	Very Good
Cloud Computing	Good
Microsoft Power BI	Very Good
Git	Very Good
IBM SPSS	Very Good

Work Experience

DigifyPro Digital Marketing training program – present

- Learning Digital Marketing Fundamentals, Paid-Advertising, Content Marketing, Data-led decision making with specialization on Data & Analytics stream.

Data Analysis Industry Training – Feb to March 2023
- Learnt and practiced data analysis techniques such as quantitative analysis, effect size and power analysis, determining normality etc.
- I worked in a team of four on a Cancer Dataset and analyzed the data to gain insights. Lastly wrote a report to summarize the findings.

Internal Attachment at JKUAT - January to March 2022
- My main focus during this attachment was on Networking, this entailed Routing and Cabling.

Projects

EPL Data Visualization (English Premier League)
Project

This is a project I did to enhance my data analysis skills with Microsoft Power BI. I used the EPL 2021/22 dataset. I have broken down team statistics and created interactive dashboards for visualization.
This is the Power BI web link:

https://app.powerbi.com/reportEmbed?reportId=9885812d-31d6-4a5e-acb1-cbe3d5fd864b&autoAuth=true&ctid=ef8cc863-2140-41be-b7c5-436495915dbe

Image Classification Flower Dataset
Project

This was my 2nd Image Classification project in the AI nanodegree. I built a deep learning model that could predict the type of flower species. I incorporated Transfer Learning to increase the accuracy of the model, more precisely vgg16_bn.
Below is a link to the notebook:

https://colab.research.google.com/drive/1MqCtDAdYtZ0uNrKX7G2U1y1Lon2xyHip?usp=sharing

LOAN PREDICTION
Project

This is a machine learning project for loan prediction
based on the customer behavior. I trained the data on various models but chose the best performing one. It uses machine learning algorithms to predict whether a person is worthy of receiving a loan.

notebook link: https://colab.research.google.com/drive/1xduAS-HmOIboKm5_mRZdKvOqN0WJzdNp?usp=sharing

COMPANY SALES VISUALIZATION

Project

This is a data analysis and visualization project. I used the AIMS Grade guide. Power BI was the data visualization used and the data source was SQL workbench. Below is a link to the interactive dashboards.

Web link: https://app.powerbi.com/reportEmbed?reportId=82ea9e15-3d40-49f9-a3f8-a7bd44916658&autoAuth=true&ctid=ef8cc863-2140-41be-b7c5-436495915dbe

EyeSPEED

Project

This is a real-time vehicle speed estimation system that utilizes Object Detection, License Plate recognition and Object Tracking. The web app was built using Streamlit.

Github link: https://github.com/Olympiah/Need4Speed.git

Gifted Hearts website
Project

This is a website built and supported by wix for our non-profit charity organization (Gifted HeartsKE). Below is a link to the website: https://olympiahot.wixsite.com/giftedheartske

RemedMobile App
Project

remeD is a mobile app whose main objective it to reduce the in-person consultations of patients with chronic diseases and their doctors. We used React Native and expo to build the application. I was responsible for building the landing page, the login/sign page, adding animation features, PayPal react native for iOS device and publishing to the expo app store.

https://github.com/Olympiah/remed_mobile.git

Education

2019-09 - 2023-12   **Bachelor of Science: Computer Science**

Jomo Kenyatta University of Agriculture and Technology - Nairobi, Kenya

Programming Languages

React JS

■ ■ ■ ■ □
Very Good

React Native

■ ■ ■ □ □
Good

SQL

■ ■ ■ □ □
Good

Python

■ ■ ■ □ □
Good

HTML/CSS

■ ■ ■ □ □
Good

Languages

English

■ ■ ■ ■ ■
Excellent

French - A2

■ ■ □ □ □
Average

Courses

AWS AI &Machine Learning Fundamentals Nanodegree – July to Nov 2023

GADS Cloud Associate – May 2022 to February 2023

Certifications

2022-11   AI Programming with Python, issued by Udacity
https://confirm.udacity.com/F9DAPGE7

2023- 02   Google Cloud Associate Developers Program

https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:7630fbf3-5927-3730-ad74-59a3949909f5

2023-03   Data Analysis Industry training

https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:3007f906-f9f1-4c87-a2ff-4e3ed8729002

AWS AI and Machine Learning Fundamentals

2023-05   https://acrobat.adobe.com/id/urn:aaid:sc:EU:d307f3ee-cb89-465d-90a3-9881d021669a

Qualities

Curious, Team-oriented personality, Passionate, Good communication,
self-driven, fastlearner.