

Olympiah Otieno

Full-Time Student

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I am a full-time 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 most if not all industries will be in need of data scientists. I hope to use the technical skills that I have gained in 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>
- Plurasight: <https://app.pluralsight.com/profile/olympiah-otieno>

Skills

Problem Solving	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Good</div>
Front-end developer	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Good</div>
Data Visualization	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Good</div>
Cloud Computing	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Good</div>
Microsoft Power BI	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Good</div>
Git	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Good</div>
IBM SPSS	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Good</div>

Work Experience

Internal Attachment at JKUAT - January to March 2022

- My main focus during this attachment was on Networking, this entailed Routing and Cabling.

Data Analysis Industry Training – Feb to March 2023

- Learnt and practiced data analysis techniques such as effect size and power analysis, statistical T test, 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.

https://drive.google.com/file/d/1mXAahVpIDBtP4SKvWHRPISTYTmodpAR2/view?usp=drive_link

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-HmOlboKm5_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>

RemedMobile App

Project

remed is a mobile app whose main objective is 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



React Native	 Very Good
SQL	 Good
Python	 Good
HTML/CSS	 Good

Languages

English	 Excellent
French - A2	 Average

Courses

Pre-qualified for AWS Machine Learning Fundamentals Nanodegree – 2022-05

Certifications

2022-11	<p>AI Programming with Python, issued by Udacity https://confirm.udacity.com/F9DAPGE7</p> <p>Also qualified for the AWS docuseries. Link is below: https://www.linkedin.com/posts/amazon-web-services_aws-ai-ml-scholarship-program-activity-7063974999325323265-ZRLx/?utm_source=share&utm_medium=member_desktop</p>
2023- 03	<p>Google Cloud Associate Developers Program https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:7630bf3-5927-3730-ad74-59a3949909f5</p>
2023-03	<p>Data Analysis Industry training https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:3007f906-f9f1-4c87-a2ff-4e3ed8729002</p>

Qualities

Curious, Team- Oriented personality, Passionate, Good communication, self-driven.