

Mukhtar O. Raji

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WORK EXPERIENCE

Monmouth Cards Automatic Sports Card Reader Remote

Computer Vision Software Engineer (Freelance) November 2022 – Present

- Building a desktop app that scans card images and saves the found texts from the images into a database with the help of an API
 - Optimizing the accuracy of the app to return all the texts in the images with considerable higher confidence and efficiency
 - Utilizing several python libraries such as OpenCV, pytesseract, os, sys, shutil, requests, urllib, BeautifulSoup, and tools such as jTessBoxEditor and Serak tesseract trainer
 - Evaluating the app's efficiency and accuracy with 1,000+ card images, to identify characters with pain points and thereby finding solutions to these issues
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Image Recognition App Design & Implementation Remote

Computer Vision Software Engineer (Freelance) November 2022 – December 2022

- Constructed a detailed design process with algorithm flowcharts, and expected design view of the final app
 - Built the image recognition app's GUI using OpenCV, implemented object detection using a pretrained YOLO model and finally implemented color detection of detected objects using machine learning models
 - Utilized several python libraries such as NumPy, OpenCV, os and sklearn
 - Performed series of tests to ascertain the accuracy of the app which produced a final result of 90% accuracy
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Computer Vision Image Manipulation Task Remote

Data Scientist (Freelance) December 2021 – December 2021

- Built a system to produce custom thresholding of images using an exclusive mode of image manipulation techniques
 - Utilized python image libraries such as OpenCV, matplotlib, skimage, SciPy and more, in performing the custom image manipulation
 - Generated output images using the custom thresholding feature which were very similar to OpenCV's standard thresholding feature with an accuracy of nearly 95%
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Hamoye AI Labs Full-Time Remote

Data Scientist July 2021 – November 2021

- Built and presented solutions using machine learning models to produce faster insights into data that other companies can use to make more informed decisions

- Collaborated with a team of 23 members to analyze and build machine learning models specific to Covid-19 patients and Airplane accidents
 - Built several machine learning models for prediction with accuracy scores of more than 80%
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LEADERSHIP AND VOLUNTEERING EXPERIENCE

Professionals In Data	Remote
Team Lead (Volunteer)	July 2022 – Present
<ul style="list-style-type: none">• Train aspiring data scientists and data analysts by providing mentorship and also leading group projects• Past projects include ‘Sentiment Analysis of Elon Musk’s tweets: The effect on Tesla’s stocks’, ‘Prediction of credit card defaulters using machine learning’, and ‘Human vs Machine-based Analysis: What affects the gross profit of IMDB’s top rated 1000 movies?’	

EDUCATION

University Of Ilorin	Kwara, Nigeria
Electrical/Electronics Engineering	October 2016 - December 2022

SKILLS & LANGUAGES

Technical Skills: SQL, Python, NumPy, SciPy, Pandas, Scikit-learn, Machine Learning, Matplotlib, Seaborn, Panel, hvplot, holoviews, Data Visualization & Storytelling, OpenCV, TensorFlow, Keras, Pytesseract, Computer Vision, Artificial Intelligence, Git, Github, API Integration

Soft Skills: Problem Solving, Effective Communication, Teamwork, Time Management, Leadership

Languages: English, French, Arabic, Yoruba
