Mukhtar O. Raji

Email | LinkedIn | Medium | Github | Phone

WORK EXPERIENCE

Monmouth Cards Automatic Sports Card Reader   Remote

Computer Vision Software Engineer (Freelance)   November 2022 – August 2023

- Led a team of 4 to design, and build a website and desktop app to automate uploading of trading cards to several marketplaces including eBay and Shopify
- Built a desktop app that scans card images, finds required tags from the found texts, scans Beckett to get the price of the card using the found tags and saves the card tags and prices into a database with the help of an API
- Utilized several python libraries such as OpenCV, PIL, pytesseract, PaddleOCR, requests, urllib, BeatifulSoup, regex, os, sys, shutil, playsound, pyinputplus and tools such as jTessBoxEditor and Serak tesseract trainer
- Performed series of optimizing techniques to conclude the project at 95% accuracy

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

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%

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%

LEADERSHIP AND VOLUNTEERING EXPERIENCE

Professionals In Data   Remote

Team Lead (Volunteer)   July 2022 – Present

- 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