

# Mukhtar O. Raji

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## WORK EXPERIENCE

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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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Credit Card Defaulters Classification and Prediction Remote

Data Scientist (Freelance) April 2022 – May 2022

- Built a system that helped to formulate strategies and make better informed decisions on new applications of credit cards through machine learning recommendations
  - Showcased company's customer features from the result of deep data analysis on the defaulters' data using standard data quality control and analytical techniques
  - Built machine learning models for predicting defaulters with an accuracy score of more than 80%
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Breast Cancer Classification Using Deep Learning Remote

Data Scientist (Freelance) March 2022 – April 2022

- Built a system for the classification of breast cancer images into cancerous cells and non-cancerous cells
  - Utilized machine learning models in conjunction with transfer learning models specifically the VGG19, EfficientNetV2L and InceptionResNetV2 models
  - Optimized the best performing model to predict with a high metric score of 94%
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Sentiment Analysis Project Remote

Data Scientist (Freelance) October 2021 – November 2021

- Built a system for auto-classifying the sentiments of general texts into positive, negative and neutral sentiments
  - Utilized python's natural language processing (NLP) libraries in conjunction with recommended bag of words to build the sentiment analyzer
  - Produced highly accurate results of above 90% accuracy in successful classification of input texts
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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

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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?’
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## EDUCATION

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University Of Ilorin

Kwara, Nigeria

Electrical/Electronics Engineering

October 2016 - December 2022

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## SKILLS & LANGUAGES

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Technical Skills: SQL, Python, NumPy, SciPy, Pandas, Scikit-learn, Machine Learning, Matplotlib, Seaborn, Panel, hvplot, holoviews, Data Visualization & Storytelling, Excel, Tableau, Data Manipulation and Analysis, OpenCV, TensorFlow, Keras, Pytesseract, Computer Vision, Google DialogFlow, Natural Language Toolkit (NLTK), Gensim, Deap, Pattern, Textblob, Natural Language Processing (NLP), Artificial Intelligence, Git, Github, API Integration

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

Languages: English, French, Arabic, Yoruba

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