

# Abimbola Olawale Victor

Portfolio: [olawale0254.github.io](https://olawale0254.github.io)

Github: [github.com/olawale0254](https://github.com/olawale0254)

Email: [abimbolaolawale41@gmail.com](mailto:abimbolaolawale41@gmail.com)

Mobile: +234-816-8928-910

## EDUCATION

- **Worldquant University** New Orleans, United States  
*Masters Degree - Financial Engineering* *January 2022*  
*GPA: 91%*
- **The Federal Polytechnic Ilaro** Ogun State, Nigeria  
*Higher National Diploma (BSc Equivalent) - Statistics* *Oct 2018*  
*GPA: 3.35 (WES Evaluated)*

## SKILLS SUMMARY

- **Languages:** Python, SQL, R
- **Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, OpenCV, Keras, Streamlit, Flask
- **Tools:** GIT, PostgreSQL, SQLite
- **Platforms:** Linux, Web, Windows, Arduino, AWS, GCP
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- **Data Science Nigeria** Lagos, Nigeria  
*Data Scientist (Full-time)* *Jan 2020 - Date*
  - **Crowd-sourcing:** Provided a GIS technical services and support particularly related to city/county applications using Java Open Street Map (JOSM), QGIS and ESRI Product and also extract relevant information from the overall geospatial data gathered from various sources, analyzed and visualized to solve problems related to intelligence.
  - **Crowd-sourcing:** Built an end-to-end computer vision model that could classify Community pharmacy's (CP) and Proprietary Patents and medicine Vendors (PPMV) stores in local areas in Nigeria
  - **Research and Innovation:** Built a Retail audit Computer Vision model using YOLO architecture to recognise over 500 FMGCs products in Nigeria, determine the visibility and providing detailed analytics based on the detected FMGCs products
- **Africa4AI** Remote  
*Research Assistant (Part-time)* *Dec 2019 - Dec 2020*
  - **Project:** A computer vision model that can be able to detect **rooftop** from **satellite images** most especially in remote areas in Africa
  - **Research:** A thematic analysis of twitter conversation peoples believe on COVID-19
  - **Research:** Worked on an extensive study on the prediction of accidents on some major roads in South Africa

### Big T Infotech technologies

- Robotics Instructor (NYSC)* Asaba, Nigeria  
*Oct 2018 - Nov 2019*
- Maintaining and preparing robotic tools for use, and training of kids on robotics and computer programming and graphics design

### National Bureau of Statistics

- Student Intern* Abeokuta, Nigeria  
*Nov 2014 - Jan 2015*
- Delivering valuable insight from Data and helping with Weekly and Monthly Reports

- Verification of Data Integrity and Computational Analysis.
- Analysis of Data with Statistical Softwares, SPSS, EViews and R Programming language.

## PROJECTS

- **Advance Convolution Neural networks (CNN) approach in Classifying COVID19 CT Scan Images:** Comparing the Performance of AlexNet and ResNet in classifying COVID-19 CT Scan images and Normal Images
- **Counting buildings and identifying points of interest:** The identification of buildings in Africa looks so daunting due to the irregularity in the arrangement of buildings in various settlements. This project focuses on developing a framework which will help in counting buildings and subsequently identify points of interest by applying object detection
- **Classification of Computer Virus in Windows Environment Using Advance CNN approach:** The data consist of about 26 classes of different types of virus images. The purpose of this project was to present a better model which could outperform models presented by other researchers. To achieve this, we applied Xception transfer learning model for the feature extraction and our model was trained using LightGBM

## PUBLICATIONS

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1. Wuraola Fisayo Oyewusi, Olubayo Adekanmbi, **Olawale Victor Abimbola**, Chinazo Anebelundu, Oluwaseun Abel Ofinni, and Sandra Oriji. A practical framework for building and managing digital crowdsourcing communities. *Third symposium on Biases in Human Computation and Crowdsourcing, Delft, Netherlands*, 2021
2. Sulaimon Afolabi, Warrie Warrie, Oluwatobi Banjo, Opeoluwa Iwashokun, **Olawale, Abimbola**, Naledi Ngqambela, Fata Soliu, Olawumi Oluwaseun, Folorunso Sakinat, and Sibusiso Matshika. When and where? proactively predicting traffic accident in south africa: our machine learning competition winning approach. *International Journal of Society Systems Science*, 13(2):151–170, 2021
3. Nureni Olawale Adeboye and **Olawale, Abimbola**. An overview of cardiovascular disease infection: A comparative analysis of boosting algorithms and some single based classifiers. *Statistical Journal of the IAOS*, pages 1–10
4. Ezekiel Ogundepo, Sakinat Folorunso, Olubayo Adekanmbi, Olalekan Akinsande, Oluwatobi Banjo, Emeka Ogbuju, Francisca Oladipo, **Olawale, Abimbola**, Ehizokhale Oseghale, and Oluwatobi Babajide. An exploratory assessment of a multidimensional healthcare and economic data on covid-19 in nigeria. *Data in brief*, 33:106424, 2020
5. Sulaimon Atolagbe Afolabi, Sakinat Oluwabukola Folorunso, Zinia Siphosethu Bunyula, Oluwatobi Oluwaseyi Banjo, Sibusiso Sibusiso Matshika, Warrie Usenobong Warrie, Naledi Ngqambela, Ayodeji Emmanuel Adepoju, Hendrica Rabophala, **Olawale, Abimbola**, et al. Social listening: A thematic analysis of covid-19 discussion on social media. *medRxiv*, 2020
6. BM Ajose-Ismail, **Olawale, Abimbola**, and SA Oloruntoba. Performance analysis of different word embedding models for text classification. *International Journal of Scientific Research and Engineering Development*, 3(6):1016–1020, 2020
7. Nureni Olawale Adeboye, **Olawale Abimbola**, and Sakinat Oluwabukola Folorunso. Malaria patients in nigeria: Data exploration approach. *Data in brief*, 28:104997, 2020

## HONORS AND AWARDS

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- Second Place. World Bank Data4Governance: Improving Accountability and Service Delivery Hackaton - 2020
- 3rd Place, Zindi Africa Uber Data Science Competition - 2020

## PRESENTATIONS AND PUBLIC SPEAKING

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- **A Deep Dive into Interactive Geospatial Visualization in Python using IpyLeaflet**  
Conference Workshop: Python Community Africa Conference (Pycon Africa 2020), Virtual Conference
- **Epidemiology Analysis on the Risk of Coronavirus Disease (COVID-19) in Nigeria**  
Conference Workshop: COVID-19 Data Science Nigeria Virtual Conference, Virtual Conference
- **A Gentle Introduction to Facial Recognition System Using OpenCV**  
Conference Workshop: Python Community Nigeria Conference (Pycon Nigeria 2019), Abuja, Nigeria
- **A Poster Presentation on” An overview of Ensemble Voting Classifier in Predicting Cardiovascular Disease Infection”**  
Conference Workshop: Thirty-third Conference on Neural Information Processing Systems (Black in AI Workshop) 2019

## ACADEMIC AND PROFESSIONAL MEMBERSHIP

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- **Member, Black In AI**
- **Member, Professional Statisticians Society of Nigeria (PSSN)**
- **Member, Data Science Africa**
- **Member, Data Science Nigeria**
- **Member, Python Africa**
- **Member, Python Nigeria**