OLUWASEYI OYEWUNMI

PYTHON DEVELOPER

DETAILS

ADDRESS
Lagos
Nigeria

PHONE
+2348055712067

EMAIL
oluwaseyioyewunmi99@gmail.com

DATE OF BIRTH
14-08-1999

NATIONALITY
Nigerian

LINKS

LinkedIn

Github

Portfolio

SKILLS

Software Design
● ● ● ● ●

Teamwork
● ● ● ● ●

Data Structures
● ● ● ● ●

Automation
● ● ● ● ●

Algorithms
● ● ● ● ●

Innovation
● ● ● ● ●

Research
● ● ● ● ●

Python
● ● ● ● ●

Machine Learning
● ● ● ● ○

Deep Learning
● ● ● ● ○

EMPLOYMENT HISTORY

Software Engineer, Hordanso LLC
Dallas

Sep 2021 — Dec 2023

- Developed automated scripts to simplify common tasks and reduce manual effort
- Developed RESTfuls API that integrated with existing systems, resulting in a 90% reduction in manual data entry
- Developed and maintained the CI/CD pipeline to automate the deployment process and reduce time-to-deployment
- Automated server provisioning and configuration management, resulting in faster deployment and easier maintenance
- Conducted code reviews and mentored junior developers to improve code quality and ensure adherence to best practices

Software Engineer, RouletteAid
Spain

Jun 2022 — Jun 2023

- Developed Roulette Aid, a sophisticated commercial desktop application leveraging Python and the PyQt framework library
- Built machine learning models to achieve over 90% accuracy in predicting roulette outcomes and engineered the integration of the models into the application
- Integrated a secure authentication system with an API for seamless user authentication and authorization leveraging a remote SQL database for efficient data storage and retrieval
- Designed and implemented a flexible licensing system (Nova, Pro, Elite) based on user payment tiers
- Implemented update functionality using an FTP server for seamless software updates and enhancements. Efficiently managed processes in the application with signals and queues.
- Performed Code Obfuscation to safeguard the codebase thereby safeguarding intellectual secrets.

Software Engineer, Freelancing
Remote

May 2020 — Jan 2023

- Developed a secure E-voting desktop application for Department Election Voting, featuring a Qt Designer-designed user interface, PyQt integration, and SQL database implementation with robust user authentication. Established a network configuration for centralized data storage and ensured data integrity.
- Employed deep learning techniques to build models for a medical publication, achieving diagnostic accuracies exceeding 90% for pneumonia detection from chest X-ray images.
- Collaborated as a data engineer to construct an intelligent content recommendation engine for an online music streaming platform. Extracted, processed, and assessed music track and artist features, enabling the generation of recommendations based on multiple similarity metric.

- Orchestrated the development of automation scripts, encompassing web scraping, web crawling, home automation, and file management, enhancing workflow efficiency and problem-solving capabilities for the client.
- Engineered computer vision models using MATLAB for a client, implementing image segmentation techniques to automatically separate skin lesions from ground truth images, quantifying model performance using dice similarity scores, and selecting relevant features.
- Designed an activity recognition model for a fitness system, employing statistical feature extraction methods to derive meaningful insights from activity datasets, and seamlessly integrating these features into the model's pipeline.
- Undertook the role of a freelance data scientist to develop a real-time system that employs user transaction data and location centroids for fraud detection. Trained machine learning models using labeled data and utilized dynamic flagging to identify potentially fraudulent transactions.
- Functioned as a full-stack developer to construct a job board application using Django. Implemented automated job scraping from various sources, streamlined resume submissions, included user-star rating functionality, and developed intricate filtering options, while ensuring strong user authentication, error monitoring, and system reliability.
- Constructed an archive web application for a university department using the Django framework. The application provides authenticated users with the capability to upload past questions, projects, and textbooks. Features include Signals, Mutli-role Users (superadmin, multiple librarians and normals users), mail verification, Redis and Celery integration, automatic thumbnail generation, comprehensive error logging, and robust report signal functionality.
- Acted as a Backend engineer using the FastAPI framework to create a feature-rich mailing application for small businesses. Delivered functionality for email templates, contact list management, customizable SMTP settings, robust authentication, role management, and administrator control.

Backend Engineer, GreatSomme Inc

Mar 2021 — Dec 2022

Akure

- Led development of revolutionary web app for secondary school, enabling seamless collaboration between stakeholders with a user-friendly interface for assessment management and performance tracking.
- Designed and integrated dynamic data visualization, offering parents a comprehensive view of their students' academic progress across subjects and topics.
- I leveraged the Django framework and advanced database management techniques to develop an innovative and scalable web application. This application revolutionizes the process of distributing and submitting assignments, empowering students with greater autonomy in their academic endeavours.
- Implemented Administrative and Management systems, providing an efficient and effective solutions for managing educational institutions
- Built and integrated machine learning to predict student performance across syllabi, utilizing data derived from assignment scores and tests.

Data Analyst, Favourite Doctor

May 2021 — Jul 2021

Akure

- Developed a predictive model that accurately forecasts customer churn with 89% accuracy using machine learning
- Conducted s.ad-hoc analyses to drive operational efficiency and cost savings, delivering insights to stakeholder
- Analyzed and visualized large datasets to uncover key insights, resulting in a 69% increase in revenue for the company

EDUCATION

Bachelor of Technology Statistics, Federal University Of Technology Akure   Akure

Feb 2018 — Jun 2023

A LEVEL, Federal Univeristy Of Technology Akure   Akure

Dec 2016 — Dec 2017

COURSES

Backend Developer, Meta

IT Automation Engineer, Google

DevOps & Software Engineering, IBM

Machine Learning Specialization, Stanford

PROFILE

Experienced software engineer proficient in web development, backend development, system administration and machine learning. Skilled in Python, JavaScript and Matlab. Designs and implements complex software systems, optimizing performance and ensuring security.

REFERENCES

References available upon request

PAPER PUBLICATIONS

Comparative Study on Prediction of Survival Event of Heart Failure Patients Using Machine Learning and Statistical Algorithms   SciMedicine Journal

Jun 2023

In a pressing global health concern with substantial morbidity and mortality rates, accurate survival prediction is paramount for informed decision-making and enhanced patient well-being. This study presented a comparative investigation aimed at predicting the survival events of heart failure (HF) patients through the utilization of both machine learning and statistical algorithms.