

EDEN IYANDA

Software Engineer

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OBJECTIVES

Highly skilled Python Developer with 2+ years of experience building web applications using Django, alongside expertise in GUI development with PyQt5. Strong background in machine learning, data processing, and automation. Passionate about creating innovative, user-friendly applications and committed to continuous learning and technical growth.

SKILLS

Machine Learning & AI

Linux Administration

Django

PostgreSQL

Git

Flask

PyQt5 & Tkinter

MySQL

Desktop Application Design

Data Structures & Algorithms

WORK EXPERIENCE

Web Developer | [Demmysoft Global Resources Ltd](#) | August 2024 – Present

- Developed and deployed robust web applications using Django, enhancing user functionality and performance.
- Integrated PostgreSQL as the backend database to ensure data integrity and scalability.
- Deployed applications on PythonAnywhere, optimizing performance

Python Instructor & Arduino | [TechBridgers Nigeria](#) | 2022 – Present

- Taught Python programming to children during boot camps, introducing fundamental concepts through interactive projects.
- Guided students through the use of Turtle for graphics, Tkinter for GUI development, and SQLite for basic database management.
- Provided hands-on instruction, helping students build fun and educational projects to solidify their understanding of Python.
- Assisted in integrating Python with Arduino, introducing students to basic electronics and hardware interaction.

PROJECTS

WarpSpace | <https://github.com/edeniyanda/WarpSpace>

- **Description:** A Twitter-like social media platform built with Django.
- **Details:** Developed a comprehensive web application using Django, showcasing skills in backend development, user authentication, and social media functionalities.

EDUCATION

BSc in Physics with Electronics

- Lead City University, Ibadan Nigeria.
- (Expected Graduation: 2026)

BSc in Computer Science

- University of the People
- 2023 - Present

PROGRAMMING LANGUAGES

Python

JavaScript

Java

C#

STRENGTHS

Problem Solving

Effective Communication

Team Collaboration

Continuous Learning

Emotional Intelligence

CERTIFICATIONS

- IBM Machine Learning with Python [Certification Link](#)
- Meta Version Control [Certification Link](#)
- Python For Everybody Specialization [Certification Link](#)
- Supervised Machine Learning: Regression and Classification [Certification Link](#)

MyGPAmate | <https://github.com/edeniyanda/MyGPAmate>

- **Description:** A desktop application built with PyQt5 to help students track their GPA across academic sessions.
- **Details:** Created a user-friendly GUI application that visualizes GPA trends with Matplotlib, demonstrating proficiency in PyQt5 and data visualization.

SpectrumWizard | <https://github.com/edeniyanda/SpectrumWizard>

- **Description:** Open-source image color detection software using Python GUI Tkinter.
- **Details:** Developed an application for analyzing and detecting colors in images, leveraging Tkinter for the GUI and Python libraries for color analysis.

Python-Based Projectile Motion Simulation |

<https://github.com/edeniyanda/Turtle-Projectile-Simulation>

- **Description:** A Python simulation built using the Turtle graphics library to visualize the trajectory of a projectile based on user inputs like initial velocity and angle.
- **Key Features:**
 - Visual representation of physics concepts like range, maximum height, and time of flight.
 - Simple and interactive interface designed to help students better understand motion and physics principles.
 - Utilizes real-time plotting to show changes in the projectile's

CERTIFICATIONS

- Stanford's Advanced Learning Algorithms
[Certification Link](#)
- Coursera's Web Application Technologies and Django
[Certification Link](#)
- Introduction to Android Mobile Application Development
[Certification Link](#)

INTERESTS

- Chess
- AI/Machine Learning
- Space Elevator
- Quantum Computing and Physics
- Robotics and Automation
- Open-Source Software Development
- Scientific Innovation and Futurism
- Data Science and Predictive Modeling