EDEN IYANDA

Software Engineer

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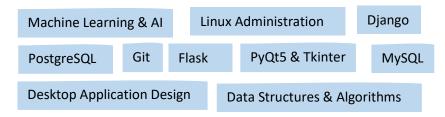




OBJECTIVES

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



WORK EXPERIENCE

Web Developer | <u>Demmysoft Global Resources Ltd</u> | 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.
 - $\circ\quad$ 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