

# UCHECHUKWU UDEMEZUE

udemezue0009@gmail.com | Enugu, 400271 EN | WWW: <https://github.com/Udemezue12> |

WWW: <https://portfolio-iiet.onrender.com/> |

WWW: <https://www.linkedin.com/in/udemezue-uchechukwu-645a89265/>

## PROFESSIONAL SUMMARY

I'm a Software Programmer with strong knowledge of Python programming language and a passion for coding. Seeking an opportunity to apply theoretical knowledge gained through coursework and projects in a professional setting. Eager to contribute to a team and develop valuable skills while gaining practical experience. Resourceful team player with experience with common software applications and social media platforms. Well-versed in business organization and strategies for successfully modernizing workplaces. Skilled at project support with proven history of solutions-oriented problem-solving.. Proven experience developing consumer-focused websites using HTML, CSS and Python. Built products for desktop users over 2+ years, meeting highest standards for web design, user experience, best practices and speed. Designed and developed web applications across multiple APIs, third-party integrations and databases. Detail-oriented, organized, and meticulous employee. Works at fast pace to meet tight deadlines. Enthusiastic team player ready to contribute to company success. Highly skilled software development professional bringing enormous talents for software design, development and integration.

## SKILLS

- MySQL (Datagrip, MySQL WorkBench) and PostgreSQL
- HTML AND CSS
- Python, Django, Flask
- Computer Skills
- Team Collaboration
- Multitasking and Organization
- Goal-oriented mindset
- Interpersonal and Social Skills
- Attention to Detail
- Creativity and Innovation
- Outstanding communication skills
- Creative and Resourceful
- Research

## WORK HISTORY

**Junior Software Developer** / Astrotech - Anambra / 03.2023 - 06.2023

- Contributed to the successful launch of a new software product by assisting with the design, development, and implementation phases.
- Participated in code reviews, ensuring adherence to established guidelines and promoting knowledge sharing among team members.
- Developed custom features for existing applications, tailoring solutions to meet specific client needs.
- Provided technical support to clients, resolving issues in a timely manner while maintaining strong customer relationships.
- Improved user experience by implementing responsive web designs for seamless functionality across devices.
- Collaborated with cross-functional teams to develop high-quality software applications, meeting project deadlines.
- Simplified the onboarding process for new hires by creating comprehensive training materials that covered essential tools and

technologies.

- Collaborated on stages of systems development lifecycle from requirement gathering to production releases.
- Built databases and table structures for web applications.

**Junior Django Developer** / Softlink Technologies - Enugu / 02.2022 - 04.2022

- Improved software efficiency by implementing Python Django frameworks for web application development.
- Contributed to the documentation of project specifications, functional requirements, and user guides for better understanding among team members.
- Facilitated seamless third-party integrations with APIs to increase application functionality and improve overall user experience.
- Ensured software quality by conducting thorough unit testing using Python's unittest framework and following best practices for test-driven development.
- Optimized database performance by designing efficient data models and implementing indexing strategies in PostgreSQL.
- Enhanced user experience with well-structured, responsive, and intuitive front-end designs using HTML, CSS, and JavaScript.
- Boosted application security by addressing vulnerability issues and incorporating secure coding practices within the Django framework.
- Collaborated effectively with cross-functional teams to develop high-quality software solutions for various business requirements.
- Collaborated closely with team to create story points and sprint planning.
- Designed web-based assets for deployment on cloud computing platforms.

**Intern** / OdyTECH - ENUGU, NIGERA / 06.2021 - 12.2021

- Developed a custom Django web application that streamlined the order processing system for an e-commerce platform, handling over 500 transactions daily and improving the operational efficiency by 30%.
- Supported staff members in their daily tasks, reducing workload burden and allowing for increased focus on higher-priority assignments.
- Gained valuable experience working within a specific industry, applying learned concepts directly into relevant work situations.
- Gained hands-on experience in various software programs, increasing proficiency and expanding technical skill set.

## EDUCATION

Chukwuemeka Odimegwu Ojukwu University - Nigeria, Anambra State / 01.2018

**Bachelor of Engineering:** Chemical Engineering

## CERTIFICATIONS

- **Python and Flask Bootcamp(UDEMY, 2024):** This Flask certificate shows that am good at making websites using Flask, which is a type of computer program. Having this certificate can help me get a job or work on projects where I build websites for people. It also means that other people who know about Flask will think I know what I'm doing,

which could lead to more chances to work with them.

- **Mosh: Coding Made Simple(CODE WITH MOSH):** The certificate proves that am skilled at creating websites with Python(Djngo), a tool for building websites. It can help me find jobs or projects where I build websites for people. Having this certificate also shows others who know about Django that I know how to use it, which might lead to more opportunities to work together.

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## PROJECTS

### **Country List API(<https://country-api-1.onrender.com>):**

Built A Functional API using Flask, allowing users to auto-populate their country and states forms respectively, it's been hosted on

### **Weather Checker(<https://weather-9czc.onrender.com>):**

Developed a weather checking application using Django, allowing users to check the current weather. Implemented user authentication and intuitive user interfaces.

### **School Portal(<https://school-portal-dsyf.onrender.com>):**

Created a school portal using Flask, where teachers can upload results, create assignments for students and do lots of other things. It also affords students the means of viewing their results, assignments, classes, subjects, etc. online.

### **Recipe(<https://recipe-p49q.onrender.com>):**

In the Recipe project, I developed a Flask-based web application for recipe management and sharing. This involved setting up the Flask application structure, defining database models using SQLAlchemy, and implementing user authentication with Flask-Login. I created forms for user input validation, designed HTML templates, and styled the frontend with Bootstrap. CSRF protection was integrated for security, and social interaction features such as liking and commenting on recipes were implemented. The project was prepared for deployment. Overall, I built a functional and user-friendly platform for discovering, creating, and sharing recipes.

### **Ecommerce Application([astrobuy-prod-69c1fcc3d8e8.herokuapp.com/](https://astrobuy-prod-69c1fcc3d8e8.herokuapp.com/)):**

Built a blog platform with Django, enabling users to create, publish, and manage blog posts. Implemented search functionality and integrated comment sections. Created a Django-based e-commerce website, featuring product catalog, shopping cart, and secure payment integration.

### **Personal Assistant(<https://personal-assitant.onrender.com>):**

This project is a personal assistant web application built using Flask. It recognizes speech commands, processes the text using natural language processing, and fetches information from Wikipedia and Wolfram Alpha. Users can log in to use the assistant, which responds to queries like searching for information or performing calculations.

**Medical Diagnosis(<https://medical-diagnosis-ajik.onrender.com>):**

This project is an AI-driven medical diagnosis tool that allows doctors to upload medical images for analysis. The tool uses advanced deep learning models to assist in diagnosing medical conditions. It features dashboards for doctors, patients, and admins to manage and view diagnosis results. The project is built using Django and integrates with TensorFlow for AI processing.

**Optical Character Recognition (OCR) [<https://ocr-app-81mj.onrender.com>]:**

Flask was used to build this project that reads text from images or scanned documents using OCR technology. By integrating Tesseract, Flask can handle image uploads, process them, and return the extracted text. The app can also include error handling, simple styling, and provide API endpoints for other applications to use the OCR service.

<b>LANGUAGES</b>
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**English:** Native language