

### PROFILE

Enthusiastic and results-driven Software Engineer with over four years of experience in designing, developing, and deploying robust software solutions. Adept at collaborating with cross-functional teams to deliver high-quality products that meet business objectives. Fascinated by the opportunities created by Artificial Intelligence (AI), I have spent the past few years immersing myself in data and machine learning so as to transition into the dynamic field of AI. Seeking opportunities to apply technical expertise, problem-solving skills, and a passion for innovation to contribute to cutting-edge projects and leverage my technical background to address complex challenges in any domain.

### SKILLS & COMPETENCE

**Programming:** Python, JavaScript, PHP, R, SQL

**Machine Learning:** Regression, Classification, Clustering, Neural Networks, Computer Vision, Natural Language Processing (NLP)

**Deep Learning:** Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Generative Adversarial Networks (GANs)

**Frameworks & Libraries:** Tensorflow, Keras, PyTorch, Fastai, Scikit-learn, Pandas, NumPy, Django/Django Rest, Node.js & Express.js

**Tools & Platforms:** AWS, GCP, Docker, Kubernetes, Jupyter, Google Colab, Hadoop, Apache Spark

**Databases:** MySQL, PostgreSQL, MongoDB

**Data Visualization:** Matplotlib, Seaborn, Plotly

**Version Control:** Git, GitHub

**Others:** DSA, RESTful APIs, Agile Methodology, TDD, Continuous Integration/Continuous Deployment (CI/CD)

**Relevant Courses:** Machine learning, Deep learning, Algebra, Calculus, Probability, Statistics

**Soft Skills:** Leadership, Time Management, Excellent Communication and Collaboration Abilities, Problem Solving and Analytical Skills, Goal Oriented

**Volunteering:** Pie & AI, Django Girls, Python weekend, GDSC

### PERSONAL INFO

#### Address:

Area 10 Garki, Abuja,  
Nigeria.

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✉ [onyedikachi1997@gmail.com](mailto:onyedikachi1997@gmail.com)

#### [Portfolio](#)

#### [GitHub](#)

#### [LinkedIn](#)

#### Hobbies:

- Reading
- Music (Piano)

### EXPERIENCE

- |                    |  |
|--------------------|--|
| <b>2023 - Date</b> | <b>Ambassador: Pie &amp; AI (Deeplearning.ai)</b> <ul style="list-style-type: none"><li>• Advocacy, Training, Community Engagement and Mentorship</li></ul>  |
| <b>2022 - Date</b> | <b>Co-founder/Backend Engineer: Cheaper shop</b> <ul style="list-style-type: none"><li>• Design and implement backend infrastructure, secure data storage solutions and optimize server performance to handle growing user traffic, ensuring data integrity and platform reliability.</li><li>• Implement RESTful APIs to support seamless interactions between platforms, ensuring efficient data retrieval and user experience.</li><li>• Collaborate with cross-functional teams to design and implement software solutions, ensuring alignment with business requirements.</li></ul> |
| <b>2022</b>        | <b>Software Engineer: University of Abuja Health Services</b> <ul style="list-style-type: none"><li>• Designed and developed a scalable web app for scheduling appointment, managing patients and prescription, thereby increasing efficiency by 75%</li></ul>   |
| <b>2021 – 2022</b> | <b>Lead: Google Developer Student Clubs</b> <ul style="list-style-type: none"><li>• Advocacy, Host workshops, Training/coding sessions.</li><li>• Organize tech events (Devfest, Google I/O, Techfest, etc.)</li></ul>   |

- 2021**      Project Officer: **Aspilos Foundation**
- Coached/trained project participants on Web development and Data science.
  - Supervised projects and addressed complex issues.

## PROJECTS & PUBLICATIONS

- 2024**      **Plant Disease Detection using CNNs:** [GitHub link](#)
- Developed a computer vision model using convolutional neural networks (CNNs) to detect plant diseases with over 80% accuracy.
  - Created an app to enable users capture images and receive disease identification in real-time.
- 2023**      **Intl. Research & Development Conference: Kampala Intl. University, Uganda**
- Co-author and Presenter of a paper on “detecting plant diseases using CNN”.
- 2022**      **African Journal of Agriculture & Allied Sciences: Plant Disease Detection**
- Co-author
- 2022**      **Face Expression App:** [GitHub link](#)
- Built a model to detect face expression with over 65% accuracy and low latency.
  - Embedded model in a real-time app.
- 2022**      **Drowsiness/Sleep Detection system:** [GitHub link](#)
- Implemented a computer vision system to detect and send alert if a driver falls asleep while driving.
- 2022**      **Shazam for food:** [GitHub link](#)
- Replicated the shazam app to detect and classify African cuisines and display detailed description of origin and recipe.

## EDUCATION/CERTIFICATIONS

- 2024**      **Machine Learning in Production:** Deeplearning.AI (Coursera)
- 2023**      **B.Sc. in Computer Science:** University of Abuja, Nigeria
- 2022**      **Udacity Data Analyst Nanodegree:** Udacity
- 2022**      **Machine Learning:** Stanford University (Coursera)
- 2020**      **AWS Fundamental in Machine Learning:** Udacity