



Chidimma Nweke

Software Engineer

Profile

Recent chemical engineering graduate with hands on experience in **Backend Development with Django, Node.js and MongoDB, Artificial Intelligence, AI Product Management**, building **Machine Learning Models** for classification and prediction, analysing data and presenting findings to senior officials with confidence. Possess sound communication, analytical, leadership, and problem-solving abilities, quick understanding and use of new technologies and tools.

Education

Bachelor of Engineering, Federal University of Technology, Owerri, Imo

January 2016 — November 2021

Machine Learning Engineer Nanodegree, Udacity

September 2020 — November 2020

AI Product Manager Nanodegree, Udacity

March 2021 — November 2021

Experience

Machine Learning Engineer at Heroi, Tunis

January 2021 — Present

Backend Developer Intern at Genesys Tech Hub

September 2021 — Present

Data Analysis and Visualization Intern at Taken Mind

November 2019 — February 2020

Laboratory Assistant Intern at Copaci Cosmetics

September 2019 — December 2019

Projects

Dog Breed Classifier Using CNNs

October 2020 — November 2020

- Built a CNN model using pytorch from scratch, which achieved a 45% accuracy on the test set after 200 training epochs.
- Utilized transfer learning to increase accuracy to 86% on the test set after 30 training epochs.
- Wrote an algorithm that overlays dog filters on images.
- Added a functionality to classify dog mutts with an accuracy of 60%
- Deployed the models in a pipeline to a web app using flask

Plagiarism Detector

September 2020 — September 2020

- Built a machine learning model that examines a text file and perform binary classification, labelling that file as either plagiarized or not, depending on how similar the text file is to a provided source text.
- Deployed the plagiarism model using AWS SageMaker.

Find More Projects in my [Portfolio](#) and [Github](#) profile.

Details

Lagos, Nigeria, +2349035485284

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Date of birth

02-06-1997

Nationality

Nigerian

Links

[Github](#)

[LinkedIn](#)

[Portfolio](#)

Skills

Communication Skills

Microsoft Office

Java

JavaScript

Node.js

MongoDB

Git

Python

Languages

English

French

Hobbies

Music directing, Singing, Puzzles, DIY

🦋 Leadership

Facilitator and Team Lead: Design Genesys Learnable '21 Design Sprint Week.

- Conducted and scheduled virtual team meetings.
- Allotted tasks and processes, and acted as a supervisor to keep team on track.
- Effectively kept team in constant communication by sending mails and pings to team members.
- Employed a democratic leadership style to encourage every team member to become actively involved in the sprint.
- Led the team to successfully develop a working solution from the exercise.

Music Director at St. Thomas Aquinas Chaplaincy Choir, Owerri

January 2020 — July 2021

- Led and supervised a forty-man committee to organize the best and biggest yet (according to reviews) student musical concert in South-East Nigeria in just two months, with refreshments for over 1000 audience and a revenue of up to two million NGN for the choir.

Student Leader at Udacity Bertelsmann Scholarship Challenge

December 2020 — February 2021

- Helped students to pass the first phase of scholarship by engaging them in daily motivational quotes and answering their technical questions.

🎓 Courses

Python for Data Science, Udemy

July 2019

Data Analysis and Visualization, Udemy

November 2019 — February 2020