

# Joseph Agwuh



Machine Learning Engineer

## SUMMARY

A highly motivated and skilled data scientist with a passion for machine learning and computer vision. Proven ability to develop and deploy machine learning models to solve real-world problems. Seeking a challenging position in a fast-paced environment where I can use my skills to make a positive impact.

## REFERENCES

Available upon request.

## ADDRESS

No 18, Sola Okoro, Off Oda Road, Akure, Nigeria

No 32, Moses Ogungbeye str, Olowora Rd, Lagos

## PHONE

+234 70-66888419

## EMAIL

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## GITHUB

@Casyvina



## EXPERIENCE

JUNE 2018 - 2020

Graphic Designer | Photosystem Akure | Akure

- Developed and delivered high-quality graphic designs for a variety of clients, including logos, brochures, and website designs.
- Used Adobe Creative Suite to create designs that were both visually appealing and effective.
- Collaborated with clients to understand their needs and deliver designs that met their expectations.
- Managed projects from start to finish, ensuring that designs were completed on time and within budget.

JAN 2019 - JUNE 2019

Internship Site Engineer | Ministry of Works Akure

- Supervised and Ensure Safety and completion of work on site.
- Took Report and Calculations required.

JUNE 2021 - APRIL 2022

Youth Corp | Civil Engineer | FERMA | Lokoja | Nigeria

- Supervised the construction of a new road, ensuring that it was built to specifications and within budget.
- Inspected the site regularly to identify and address any potential problems.
- Communicated with the client and other stakeholders to keep them informed of the progress of the project.
- Successfully completed the project on time and within budget.

JAN 2022 - 2023

Video Editor | Freelancer/Part-time | Akure

- Edited videos for a variety of clients, including commercials, music videos, and documentaries.
- Used Adobe Premiere Pro and After Effects to edit videos that were both visually appealing and engaging.
- Collaborated with clients to understand their needs and deliver videos that met their expectations.

## WEBSITE LINK

## RESUME LINK

[casyvina.github.io/](https://casyvina.github.io/)

## GENERAL SKILLS

Drawing and Designs 2D & 3D,

Object Oriented Programming

Functional Programming

Creative Thinking

Microsoft Office

Statistical Analysis

Data Science

Data Visualization

Machine Learning

Software Engineering

Adobe Creative Cloud

Blender, AutoCAD

Unity Engine

Flutter SDK

Django SDK

Engineering Math

Prompt Engineering

Stable Diffusion

ChatGPT

GitHUB

Stock Trade Crypto Analysis

Video Editing

Power BI

MongoDB

Blogger

## LANGUAGES

English 100%

JAN 2020 - PRESENT

Programmer | Freelancer/student | Akure

- Developed and delivered high-quality software applications for a variety of clients, including mobile apps, web apps, and desktop apps.
- Used Python, Dart, and C# to develop code that was both efficient and scalable.
- Collaborated with clients to understand their needs and deliver applications that met their expectations.
- Managed projects from start to finish, ensuring that applications were completed on time and within budget.

## PROGRAMMING LEVEL

Expert: Python | TensorFlow | NumPy | Pandas | Git | Dart | C# | SQL | Unity

HTML | CSS | JS | Pytorch | Aws | Matplotlib | Scikit-learn | OpenCV | OneNote

## EDUCATION

JAN 2023 - PRESENT

### - UDEMY ONLINE COURSES BOOTCAMPS-

- Data Science and Machine Learning Course | ZTM Academy |
- Modern Computer Vision | Rajeev D. Academy |
- TensorFlow & Pytorch Course | ZTM Academy |... (& more)
- 50 Days 50 projects In Data Science, Machine Learning Bootcamp
- Flutter Artificial Intelligence Course Build !5+ AI Apps

JAN 2022 - DEC 2022

### - COMPLETED ONLINE COURSES BOOTCAMPS-

- Unity Game Development, OOP, C# Course -|Chidre's Tech Academy
- DART, Flutter / Firebase App Development -| NINJA CLASS |
- Blender 3D Completion -| CROSSMIND ACADEMY |
- UI / UX -| ALEX ON DESIGN ACADEMY |... (& more)

JAN 2021 - JUNE 2021 | MIMO ACADEMY | PROGRAMMING HUB

- *Awarded my Web Development, Python & SQL Certificate of Completion.*
- *Object Orientation Programming Certificate Completion*

AUG 2013 - DEC 2020 | Bachelor of Science in Civil Engineering

- Landmark University, Omu-Aran, Kwara State, Nigeria
- GPA: 4.08/5
- Graduated with honors

SEP 2010 - JUN 2013 | Calvary International School | Senior

- *Awarded Noble Prize for Overall Best in Final year.*

## SKILLS

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- Programming languages:

- Python (version 3.10)
- R (version 4.1)

-Machine learning libraries:

- TensorFlow (version 2.8)
- Keras (version 2.9)

-Data analysis libraries:

- NumPy (version 1.22)
- Pandas (version 1.4)

-Data visualization libraries:

- Matplotlib (version 3.5)
- Seaborn (version 0.11)

-Computer vision libraries:

- OpenCV (version 4.5.5)
- PyTorch (version 1.11)

## LEARNING

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- ZTM Academy Machine Learning Course

Completed a comprehensive online course on machine learning that covered the fundamentals of Python, TensorFlow, Keras, Scikit-learn, and other tools and frameworks.

Learned the basic concepts and techniques of machine learning, such as supervised and unsupervised learning, regression and classification, clustering and dimensionality reduction, neural networks and deep learning.

Applied machine learning algorithms to various datasets and problems using appropriate methods and metrics.

Duration: 6 months

- Modern Computer Vision
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Learned the fundamentals of computer vision, such as image processing, object detection, and image segmentation.

Studied various computer vision algorithms and techniques.

Applied computer vision techniques to various projects.

## PROJECTS

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### Image Classification Project

- Developed and trained a convolutional neural network model to classify images into 10 categories with 95% accuracy.
- Used TensorFlow and Keras to build and optimize the model architecture and parameters.
- Used Matplotlib and Seaborn to visualize the data and the model performance.
- Sentiment Analysis Project
  - Analyzed and classified movie reviews into positive or negative sentiments using natural language processing techniques.
  - Used Scikit-learn and PyTorch to preprocess the text data and implement a recurrent neural network model with word embeddings.
- Time Series fundamentals in TensorFlow Bitcoin Predictions with 12 model architectures
  - Built a model to predict the price of Bitcoin using 12 different machine learning models.
  - Used TensorFlow and Keras to build and train the models.
  - Evaluated the models and selected the best model for making predictions.

## COURSEWORK

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- Data Science and Machine Learning Course
  - ZTM Academy
  - Date range: January 2023 - July 2023
  - Completed a comprehensive online course on data science and machine learning that covered the fundamentals of Python, TensorFlow, Keras, Scikit-learn, and other tools and frameworks.
  - Learned the basic concepts and techniques of data science and machine learning, such as data cleaning, data mining, machine learning algorithms, and statistical modeling.
  - Applied data science and machine learning techniques to various datasets and problems using appropriate methods and metrics.
- Modern Computer Vision

- Rajeev D. Academy
- Date range: May 2023 - July 2023
- Completed an online course on modern computer vision that covered the fundamentals of image processing, object detection, and image segmentation.
- Learned the basic concepts and techniques of computer vision, such as image filtering, edge detection, and feature extraction.
- Applied computer vision techniques to various projects.
- TensorFlow & Pytorch Course
  - ZTM Academy
  - Date range: January 2023 - August 2023
  - Completed an online course on TensorFlow and PyTorch, two popular machine learning frameworks.
  - Learned how to use TensorFlow and PyTorch to build and train machine learning models.
  - Applied TensorFlow and PyTorch to various projects.