ATANDA ABDULLAHI ADEWALE

Vision Expert | Data Scientist

+33 0749499978   https://github.com/waledroid
abdullahi_atanda@etu.u-bourgogne.fr
41 rue Lavoisier, Le Creusot, 71200, France

PROFILE

A computer vision research engineer, skilled in real-time object detection and machine learning frameworks. Writes object-oriented and modular Python for scalable project development. He led a waste sorting initiative, enhancing detection accuracy by 20% with a custom SAM encoder-based Vision Transformer. Passionate about integrating AI with robotics for complex, real-world challenges.

WORK EXPERIENCE

Machine Learning Research Engineer   04/2024 – Present
WASORIA Le Creusot 71200, France

- Present and research innovative Detection Transformer architectures to improve real-time object detection's speed and accuracy
- Optimizing models in real-time for edge devices through refinement and compression
- Dataset creation and augmentation to enhance accuracy and performance

Information Technology Officer   02/2013 – 09/2022
Federal Radio Corporation of Nigeria (FRCN) Ikoyi, Lagos operations

- Website development and management (radionigerialagos.gov.ng)
- Live audio and video streaming of live on-air studios on social media
- Technical support, office networking, Advert Tracking System

Consumer Insight Research   10/2011 – 09/2012
Cadbury Nigeria Plc, Ikeja, Lagos

- Monthly Regional Market Analysis using Nielsen Global FMCG Database
- Coordinating Qualitative and Quantitative Research Projects in Nigeria
- Marketing Support Functions – Statistical Analysis and Research

SKILLS & COMPETENCIES

- Image Processing
- Object Detection, segmentation and Tracking
- Frameworks: PyTorch, Keras, MMDetection3, Detectron2, Diffusers, RoboFlow SuperVision
- Pose Estimation

- Data analysis and visualization
- Feature engineering
- Time series analysis
- Camera Calibration
- Medical Imaging (PyDicom, MONAI)

- Machine learning SOTA algorithms
- Optimization techniques
- Natural language processing with Spacy
- Model deployment and maintenance
- Front-end web (React, Next, Tailwind, Firebase)

- Big data technologies (Spark)
- Cloud computing (Google Cloud)
- Git version control
- Agile project management

COURSES / CERTIFICATIONS

Professional Machine Learning Engineer (PME)   In-view 2024
Google Cloud

EDUCATION

Masters of Science M2 in Computer Vision and Robotics   07/2024
Université de Bourgogne, Le Creusot, France

Postgraduate Diploma in Computer Science   05/2015
University of Lagos, Lagos, Nigeria

PROJECTS

Real-Time Pedestrian Detection in Traffic Surveillance:
- Achieved high accuracy using YOLOv5 in identifying pedestrians in multi-scenes, leveraging a small INRIA Person Dataset
- Involved in real-time analysis of video footage from a surveillance camera

Precise Facial Expression Recognition:
- Achieved 87.5% accuracy in recognizing 7 distinct facial expressions.
- This success was attributed to advanced transfer learning techniques, including feature extraction from a pre-trained VGG-19 model, followed by fine-tuning on the AffectNet dataset.

ATTRIBUTES

- Excellent data management and multi-tasking ability
- Team collaboration and communication
- Expert in Microsoft Excel and SPSS (Report &Analysis)
- Committed to cutting-edge research and innovation in computer vision.

LANGUAGES   English (Native)   French (B1 Level)

INTERESTS   Tech News, VR/AR, and Traveling

REFERENCES   Available on request.