Oyeyemi Dare Azeez

Master's in Biometrics & Intelligent Vision

AI & Machine Learning Research | Generative AI | Computer Vision

Master's student in Biometrics and Intelligent Vision at Université Paris-Est Créteil (UPEC), specialising in computer vision, generative models, multimodal AI and LLM-based systems. Experienced in developing and evaluating AI models, including diffusion-based image generation, LoRA fine-tuning, retrieval-augmented generation (RAG) and research interests in healthcare AI and trustworthy AI. I am seeking a 6-month research or engineering internship to contribute to innovative AI projects and advance applied research.

Contacts

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Paris, France

Technical Skills

Programming Languages
Python, JavaScript, HTML, CSS, SQL, PHP

AI / Machine Learning
TensorFlow, Keras, Scikit-learn, PyTorch, NumPy, Pandas

Generative AI / LLMs
Hugging Face Transformers, Qwen Models, RAG, Embeddings, Prompt Engineering, LLM Evaluation

Backend Development & Databases
Flask, FastAPI, REST APIs, MySQL, ChromaDB, SQLite

Analytical
Research, Report Writing, LATEX, and Teaching

Computer Vision
OpenCV, MediaPipe, FaceNet, Image Processing

Deployment & Tools
Render, Docker, Git, VS Code, Jupyter, Google Colab

Data Protection
NDPA, GDPR awareness, Responsible AI development

Soft Skills

Communication, Team work, Time management, Critical thinking, Adaptability, Emotional Intelligence

Education & Learning

Master Biometrics and Intelligent Vision — 2025 - Present
Université Paris-Est Créteil, France — M1 Grade: 16.65/20

Bachelor of Science, Computer Science — 2015 - 2019
University of Ibadan, Nigeria — Grade: 6.0/7.0

Peer-reviewed Journal Publication

SMS Spam Detection and Classification to Combat Telephone Abuse

- DOI: 10.9734/jamcs/2023/v38i101832

Selected Relevant AI Projects

Synthetic Facial Image Generation for Facial Palsy Assessment | Generative AI & Computer Vision *Technologies: Python, LoRA, SDXL, MediaPipe*

- Developed an SDXL-based generative AI pipeline with LoRA fine-tuning to generate synthetic facial images across House-Brackmann facial paralysis scale.
- Designed a facial landmark-based validation framework using MediaPipe Face Mesh.
- Developed a Flask web app for image generation, preview, automated analysis, quality control, review/rejection and export of synthetic facial datasets.
- Link: facialpalsy-imggenerator.onrender.com

XiscoBot – Multilingual Generative AI Assistant Web Application
Technologies: Python, Flask, LLMs (Llama), JavaScript, REST APIs, SSE, HTML/CSS

- Developed a multilingual AI chatbot with real-time streaming responses.
- Integrated Llama-based LLMs with context-aware conversation handling.
- Implemented Server-Sent Events (SSE) for token-by-token response streaming.
- Built and optimized the Flask backend to improve performance and added accessibility features including integrated text-to-speech (TTS) controls
- Link: xiscobot.onrender.com

Retrieval-Augmented Generation System using CLIP and ChromaDB
Technologies: Python, ChromaDB, CLIP, Embeddings, RAG, Pandas, Gradio

- Implemented document chunking, embedding, and ChromaDB vector storage.
- Developed retrieval scoring logic using cosine distance and similarity conversion.
- Designed custom TOP_K and MIN_SCORE filtering controls using chunk IDs.
- Enhanced user transparency by displaying retrieved sources with similarity scores.
- Link: github.com/oyeyemixisco/RAGwithGradio

Integrated Patient Health System for Biomedical Signal and Image Processing
Technologies: Python, NumPy, Pandas, OpenCV, Matplotlib, SciPy, Signal Processing, Image Processing

- Developed an integrated health data analysis system combining biomedical signal processing and medical image analysis
- Applied filtering, noise reduction, feature extraction, and visualisation methods to improve signal interpretation.
- Presented processed outputs through clear visualisations and analytical summaries.

Relevance Experience

Software Developer — Mar. 2025 – Sept.2025
Webplay Nig. Ltd, Benin City, Nigeria

- Develop web applications and custom software for clients, such as ERP-Software, HRM Systems and many more.
- Manage and set-up the company's cloud services infrastructure and Dedicated Servers (WHM Panel, etc)

IT Team Lead — Mar. 2022 – Feb. 2025
TravelNow Logistics, Nigeria

- Tasks to developed flight booking and reservation web app.

Web Developer — July 2019 – Feb. 2022
Webplay Nig. Ltd, Benin City, Nigeria

- Tasked to develop web applications for clients and carried out comprehensive database management and analysis.

Certifications

- Data Scientist -365 Data Science
- Internet of Things (IoT) Security -Cisco Networking Academy
- Python Programmer Bootcamp -365 Data Science
- Deep Learning with TensorFlow -365 Data Science

Languages: English (Fluent), French (A2)