

SUMMARY

Applied ML/AI engineer and Computer Science undergraduate at Federal University Gusau focused on shipping machine learning into real products rather than research alone — on-device computer-vision inference, LLM-backed conversational systems, and lean model-deployment pipelines — backed by full-stack skill to own the pipeline end to end.

EXPERIENCE

ML/AI Developer — Freelance · Open Source · Academic Projects · Running Jack ICT Academy2022 – Present

- Designed and deployed dual ONNX computer-vision models (MobileNetV3-small based) for fecal and body-symptom classification in AviGuard, a poultry disease-diagnosis app, optimized for on-device mobile inference
- Found and fixed a critical model-packaging bug where ONNX weights were split into external shard files never bundled into the mobile app; consolidated into self-contained models and verified prediction parity before and after
- Built a pluggable AI receptionist and triage chatbot for a multi-tenant hospital management platform, with a swappable LLM provider layer (Groq, DeepSeek, Gemini, Anthropic)
- Trimmed heavy training-only dependencies (torch, torchvision, timm, albumentations) out of production requirements, keeping only onnxruntime for lean inference-only deployment
- Debugged inference-adjacent data issues end to end, including a SQLite-vs-Postgres datetime handling bug that broke diagnosis-result rendering in production

PROJECTS

AviGuard (ChickenDx)

End-to-end applied ML product, from model export to on-device mobile inference.

FlaskONNX RuntimeFlutter

- Owned the full pipeline: dual-model computer-vision classification, ONNX export, on-device bundling, and offline inference on mobile
- Verified numerical parity between the training-side model and the consolidated on-device ONNX artifact before shipping

Demonstrates: taking a CV model from training artifact to a shipped, offline mobile product

Hospital Network AI Receptionist

Pluggable receptionist/triage service integrated into a production multi-tenant hospital platform.

FastAPIMulti-provider LLM Integration

- Built a provider-agnostic LLM integration layer (Groq default, DeepSeek/Gemini/Anthropic as swap-in alternatives)
- Wired the receptionist into the platform's signed internal-JWT service gateway alongside the EHR service

Demonstrates: integrating LLMs into a real, access-controlled production system

SKILLS

Languages

PythonJavaScriptTypeScriptSQL

ML / AI

ONNX / ONNX RuntimeMobileNetV3Computer VisionOn-device InferenceLLM Integration

Backend

FlaskFastAPIDjangoNode.js

Data

PostgreSQLMySQLElasticsearch

Tools & DevOps

Git/GitHubDockerRenderLinux

EDUCATION

B.Sc. Computer Science — Federal University Gusau

- Undergraduate coursework, 2021 – Present
- Introduction to Critical Infrastructure Protection (ICIP) — OPSWAT Academy, Jun 2026
- Cybersecurity (Beginner) — TechyJaunt, accredited by ACTD, Dec 2025 – Mar 2026
- Web Development Technology — Running Jack ICT Academy, Oct 2025
- AWS Cloud Practitioner Essentials — Amazon Web Services, in progress

SOFT SKILLS

Analytical ThinkingProblem SolvingFast LearnerTeam CollaborationClean Code PracticesAttention to Detail

LANGUAGES

English (Fluent)Hausa (Native)