

Devlify

ML / AI Engineer

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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)

Flask · ONNX Runtime · Flutter

- 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

Hospital Network AI Receptionist

FastAPI · Multi-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

SKILLS

Languages: Python, JavaScript, TypeScript, SQL

ML / AI: ONNX / ONNX Runtime, MobileNetV3, Computer Vision, On-device Inference, LLM Integration

Backend: Flask, FastAPI, Django, Node.js

Data: PostgreSQL, MySQL, Elasticsearch

Tools & DevOps: Git/GitHub, Docker, Render, Linux

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 Thinking, Problem Solving, Fast Learner, Team Collaboration, Clean Code Practices, Attention to Detail