

SUMMARY

AI engineer building end-to-end systems around agentic orchestration, LLM routing, RAG, and computer vision — from reasoning agents to production backend services. Built voice and conversational automation workflows at **Norma AI** live across **1 hospital and 52 clinics**; **APEX**, a 24-layer agentic AI operating system, is the current flagship build.

EXPERIENCE

Norma AI

Feb 2026 – July 2026 | Lucknow / Remote

AI Engineering Intern

- Built AI-driven voice and conversational automation for healthcare workflows — agent orchestration, LLM-powered logic, and reliable real-time interactions — now live in production across **1 hospital and 52 clinics**.
- Work across voice agents, RAG-style retrieval, and backend/API integrations, translating clinical and operational requirements into deployable, robust AI services across Next.js, FastAPI, Redis, and Cloudflare.

Robotics Lab, Integral University

Feb 2025 – Aug 2025 | Lucknow, India

AI Engineering Intern

- Built **LeafLens**, a plant-disease computer-vision pipeline spanning 15+ classes; improved model accuracy from **~70% to 83%** through transfer learning, preprocessing, and pipeline refinement, with edge-inference exploration on Raspberry Pi.

SELECTED AI PROJECTS

APEX — Sovereign Agentic AI Operating System | Python, Gemini, Redis, ChromaDB, MCP, Next.js

github.com/Qambar-dev-0207/Apex

- 24-layer agentic AI operating system** with intent routing, dependency-aware task DAGs, and specialized agents for coding, memory, and research; multi-layer cognitive memory via Redis + ChromaDB with semantic deduplication.
- Self-healing architecture (**Detect** → **Diagnose** → **Recover** → **Learn** → **Evolve**) supporting rerouting, retries, and rollback/replanning without retraining model weights.

PraxisAI — AI Cognitive Journal (GenAI + RAG) | Next.js, MongoDB, OpenRouter, Gemini

github.com/Qambar-dev-0207/PraxisAI

- Built an AI journaling system with text/audio capture, transcription, and AI structuring, applying reframing lenses (Stoic Filter, First Principles, Devil's Advocate) and RAG over a private knowledge base to surface recurring themes and connections.

SVORA — Computer-Vision Fitness Platform | Next.js, MediaPipe, MongoDB, OpenRouter/Gemini

github.com/Qambar-dev-0207/fitness

- Built browser-based pose estimation and rep counting with AI-generated training/nutrition protocols and adaptive recommendations, backed by persistent user data and API integrations.

TECHNICAL SKILLS

Agentic AI: multi-agent orchestration, routing, tool use, task DAGs, self-healing/recovery loops, memory, MCP

GenAI / LLM: Gemini, Claude, GPT APIs, OpenRouter, Groq, RAG, embeddings, vector retrieval, prompt engineering, structured outputs, model routing

Computer Vision: TensorFlow, PyTorch, scikit-learn, CNNs, transfer learning, YOLO/Ultralytics, MediaPipe, OpenCV, Grad-CAM

Backend & Data: FastAPI, Node.js/Express, Django, REST APIs, Redis, MongoDB, PostgreSQL, ChromaDB, Supabase

Languages: Python, TypeScript, JavaScript, Java, C++, Dart, SQL

Cloud / Infra: Docker, Git, GitHub, Vercel, AWS Lambda, Cloudflare Workers, Google Colab

EDUCATION

Integral University — B.Tech, Computer Science and Engineering | CGPA: 7.4

2024 – 2027

Integral University — Diploma, Computer Science and Engineering | CGPA: 8.6

2021 – 2024

ICSE Class X | 85%

2021

ACHIEVEMENTS

- Google Agentic Premier League Finals / GDG Lucknow Finalist (2026):** Reached finals with Team NodeZero for Awaaz-e-Awadh, a rapid prototype built in ~4 hours.
- Hackathon Winner/Finalist:** Railway-security automation challenge; Epsilon 2022 Winner; Scientia 2021 Second Prize.