Syed Mohammad Anas Faaiz

Hyderabad, India | +91-7093035427 | syed.anasfaaiz@gmail.com
github.com/AnasFaaiz | LinkedIn | Portfolio

Summary

Data Engineering & AI/ML-focused software engineer with hands-on experience building and deploying cloud-hosted backend systems (AWS, Docker, nginx) and LLM-integrated applications.

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, SQL

Cloud & DevOps: AWS, Docker, Linux, nginx, Git, CI/CD

AI/ML & Data: PyTorch, Reinforcement Learning (DQN/PPO), Ollama, Pandas, NumPy, Scikit-learn

Backend & Frontend: NestJS, Express.js, FastAPI, REST APIs, Next.js, React.js, Tailwind CSS, Flutter

Databases: PostgreSQL, MongoDB, Prisma, pgvector

Core CS: Data Structures and Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Experience

Freelance Full-Stack Developer **Oct 2026 – Present**
Shreeji Med - Path Lab, Hyderabad, India

- Built a React Router admin dashboard spanning 10+ staff workflows (bookings, invoicing, payments, staff management), replacing a fragmented, ad hoc reporting process with one system.
- Architected a multi-tenant PostgreSQL system (shared schema + Row-Level Security per `clinic_id`) across 15+ tables, letting two clinics run on one codebase with zero cross-clinic data leakage.

Model Development Intern **July 2026 – Present**
IIOR, Hyderabad, India

- Fine-tuned on-device CNN models (MobileNetV2 transfer learning) for crop-disease detection, including a 6-stage sunflower Alternaria classifier reaching ∼95% accuracy at ∼2.5MB for offline field inference.
- Designed a hybrid inference layer in a Flutter app that runs the on-device model by default and falls back to a remote API, letting deployed models be swapped without an app update.

Full-Stack Developer Intern **Jan 2026 – Mar 2026**
NoDevBuild

- Built end-to-end features for an investment platform with Next.js and Express, covering REST APIs, portfolio management views, and interactive data visualization.
- Owned feature delivery for a food-tech platform across the full stack, from the data layer and backend services to the user-facing UI.

Projects

PokeGen3-RL — GBA Pokémon Battle RL Agent | *Python, Lua, mGBA, PyTorch, DQN, PPO* **Sep 2026 – Present**

- Built a Lua/TCP bridge between Python and mGBA to train DQN/MaskablePPO agents on live Pokémon Emerald battles via a reverse-engineered 417-dim observation space and 17-action space, across 40K+ cumulative timesteps.

Setu — Code for Communities 2 Hackathon | *Python, PostgreSQL, Docker, Gemini API* **Sep 2026**

- Built an open API that ingests multilingual citizen infrastructure complaints and ranks 640 districts for policymakers by combining AI-extracted data with Census 2011 indicators, via a write-first micro-batcher (10x throughput under Gemini's rate limit) with bounded-retry LLM-output validation.

A.C.E. (Automated Command Environment) | *Python, Next.js, TypeScript, Ollama, QLoRA* **Aug 2025 – Present**

- Built a pip-installable Python CLI (9 subcommands) with a Textual TUI and Next.js dashboard for project navigation, scheduling, and backups, backed by Gemma models fine-tuned with QLoRA (Unsloth) and served locally via Ollama for a fully offline LLM backend.

Education

KL University **Jul 2023 – May 2027**
Hyderabad, India

B.Tech, Computer Science and Engineering (Data Engineering with AI) — CGPA: 9.52 / 10

Leadership & Certifications

Leadership: Core member of Guild Club and FOSS Club KLH; volunteer at Red Hat hackathon, helping teams debug and resolve issues.

Certifications: AWS Certified AI Practitioner · AWS Certified Cloud Practitioner · NVIDIA Building Agentic AI Applications with LLMs · MongoDB Associate Developer (Python)