NITHYANJALI YEDDU

nithyanjaliy@yahoo.com • +1 (930) 904-5813 • linkedin.com/in/nithyanjaliyeddu • github.com/ynithyanjali

SUMMARY

Founder and builder of Heapi, where I launched a web prototype and built a serverless email workflow. M.S. Information Science candidate at Indiana University Bloomington OCI Certified Architect Associate with hands-on experience in Python, FastAPI, REST APIs, and CI/CD. Seeking full-time software engineering or cloud roles starting February 2027.

EDUCATION

Indiana University Bloomington, Bloomington, Indiana *January 2025 – December 2026*
Masters in Information Science | GPA: 3.9/4.0
Relevant Coursework: SQL, Data Modeling, Systems Analysis & Design, HCI, Information Architecture

St. Francis College for Women, Hyderabad, India *October 2021 – April 2024*
Bachelor of Computer Applications

SKILLS

Programming & Backend: Python, JavaScript, SQL, R, Bash, HTML, CSS, FastAPI, Pydantic, REST API Development and Integration, Unit Testing
Cloud & DevOps: AWS, Microsoft Azure, Oracle Cloud Infrastructure (OCI), OCI DevOps, Netlify (Functions, Forms, CLI), Cloudflare DNS, Git, GitHub, GitHub Actions, Jenkins, CI/CD
Data & Databases: MySQL, Neo4j, Oracle RAC, Oracle Data Guard, Oracle RMAN, pandas, Tableau, Amazon QuickSight, Advanced Excel
Tools: Ollama, Adobe Workfront, Resend

EXPERIENCE

Heapi | *Founder and Builder* | **www.heapi.app** *November 2026 – Present*
- Developed and deployed a responsive early-access site for a first-aid app using HTML, CSS, JavaScript, and Netlify Forms, with separate waitlist and contact flows and honeypot spam protection.
- Built Heapi Calm, a live browser prototype that saves user-curated media links and personal notes as JSON in localStorage, with an in-memory fallback when browser storage is unavailable.
- Built and deployed an event-driven Netlify Function that sends branded waitlist confirmations via the Resend REST API with idempotency keys, configured Cloudflare DNS and HTTPS, and verified signup-to-inbox delivery on a custom email subdomain.

Dose of Society, Los Angeles | *Social Media Analyst Intern* *June 2026 – August 2026*
- Analyzed viewership data and emerging trends to refine video scheduling, contributing to 67% growth in MSN's audience.
- Produced campaign performance reports and monitored community engagement to inform marketing strategy.

Amazon, Hyderabad, India | *Transportation & Operations Specialist* *September 2024 – December 2024*
- Took ownership of operations during peak season with reduced staffing, resolving bottlenecks and maintaining over 95% data accuracy.
- Investigated performance data across 100+ weekly shipments to identify gaps and optimize workflow efficiency by 25%.
- Built KPI dashboards using QuickSight, achieving a 25% reduction in reporting time and improving visibility of key metrics.

Ethos Consultancy, Hyderabad, India | *Business Analyst* *January 2023 – June 2023*
- Translated technical requirements into 25+ client-facing deliverables, driving an 18% lift in business engagement.
- Designed and standardized 8 reusable templates, reducing production cycle time by 15% while maintaining quality and consistency.

TECHNICAL PROJECTS

Autonomous Code Repair | Software Debugging System
- Engineered an automated debugging and repair system in Python using Abstract Syntax Trees (AST) to analyze source code, identify potential defects, generate candidate patches, and validate corrections through systematic testing.
- Architected a test-driven repair pipeline with regression testing, patch validation, structured error reporting, and continuous integration through GitHub Actions to improve debugging efficiency and software reliability.

Project Moth | Token Routing & Sustainability Research Prototype
- Built a local-first, privacy-aware routing system that analyzes prompt complexity and privacy requirements to make explainable model-routing decisions.
- Developed the prototype with Python, FastAPI, and Ollama (Gemma 3 1B), integrating rule-based routing, REST APIs, performance logging, and a 100-prompt benchmarking framework to evaluate latency and response quality.

Retail Performance Analysis | SQL Portfolio Project (Synthetic Data, 2025)
- Analyzed 1,200 retail orders across 4 US regions in SQL (MySQL) and built an executive dashboard tracking net sales, return rate, and on-time delivery, surfacing the highest-return category and the weakest delivery region.

CERTIFICATIONS

Oracle Cloud Infrastructure Architect Associate • AWS Solutions Architecture • AWS Networking – Training Badge • Oracle Fusion Cloud Applications SCM Process Essentials Certified – Rel 1