# NISHIL FALDU

Rajkot, India | Open to Relocate

📞 +91-7359801766 | ✉ nishilfaldu@gmail.com | 💼 linkedin.com/in/nishilfaldu | ⬡ github.com/nishilfaldu | 🌐 nishilfaldu.site

## EDUCATION

**University of Cincinnati** — Aug 2022 – Aug 2024
*Master of Engineering in Computer Science* — *GPA: 3.85 / 4.0*

**University of Cincinnati** — Aug 2019 – Aug 2024
*Bachelor of Science in Computer Science* — *GPA: 3.98 / 4.0*

## EXPERIENCE

**Kinetic Vision** — May 2025 – Aug 2025
*Lead Full-Stack Engineer - Contract* — *Cincinnati, OH*
- Developed a full-stack application using **Next.js (React)** and **GraphQL** - wrote tests, set up **CI/CD**, and containerized with **Docker**
- Led code reviews and technical decision-making across schema design, component architecture, and APIs while mentoring an intern

**7WEST** — December 2024 – December 2025
*Founder* — *Cincinnati, OH*
- **Solo built** a full-stack mobile application using **Expo (React Native)** and **Convex**, shipping it in **under 2 months**
- Launched an LMS platform with **Tanstack** and **Convex**; architected scalable multi-tenant infra

**Tembo** — May 2024 – Nov 2024
*Software Engineer* — *Cincinnati, OH*
- Comprehensively refactored **7 critical cloud pages** increasing component reusability, **reducing code duplication by more than 50%**
- Migrated majority of frontend from **RTK** to **React Query**, **reducing API load times by 20%** and **cutting feature development time**
- Contributed (and maintained) **6 React components** to a custom UI library, with unit tests, accelerating development across **4 projects**
- Implemented an **auto-pause feature** for inactive cloud instances, resulting in a **reduction in operating costs by 25%**
- Implemented **playwright tests**, **debug and apply fixes to issues in production**, ensuring a **15% reduction in user support tickets**

**Kinetic Vision** — Jan 2023 – Aug 2023
*Full Stack Engineer Intern* — *Cincinnati, OH*
- Architected and deployed **2 full-stack $1.2M apps** with a **4-member team** using **Next.js (React), Nexus.js,** and **GraphQL**
- Served as primary developer for **3 applications** and played a pivotal role in architectural improvements by **developing packages**
- Developed and maintained a **Grafana, Prometheus web-based diagnostics and monitoring platform** for all web applications

**Digital Scholarship Center** — Jan 2021 – Aug 2022
*Software Engineer Intern* — *Cincinnati, OH*
- Proposed ML-driven solution to visualize text datasets using **Django, TensorFlow, Three.js,** improving data exploration for researchers
- Researched models, **built reliable, scalable architecture**, achieving **20% reduction in text processing time** using **AWS** and **Django**

**Intelligent Robotics and Autonomous Systems Lab** — Aug 2021 – Oct 2021
*Computer Vision Research Intern* — *Cincinnati, OH*
- Contributed to the development of **85% accurate** computer vision model by fine-tuning **YOLO with Python, TensorFlow, PyTorch**
- Implemented a python script to augment, clean, label **10K+ images, improving model performance by 20%**

## TECHNICAL SKILLS

**Languages**: TypeScript, JavaScript, GraphQL, Python, C++, HTML, CSS, SQL, NoSQL, C, C#, Bash, Go, Java, Matlab, LabVIEW
**Databases**: MongoDB, SQLite, PostgreSQL, MySQL, Firebase, Convex
**Libraries/Frameworks**: Next.js, React.js (+Native), ShadCN, Tailwind, FastAPI, Node.js, Flask, Django, PyTorch, Three.js
**Tools/Platforms**: GCP, AWS, Azure, Docker, Linux, Github, VSCode, Codex, Storybook, SASS, LESS, Grafana, Prometheus
**Certifications**: AZ-900 Azure Cloud Certification

## PROJECTS
*visit nishilfaldu.site or github.com/nishilfaldu for more*

**A compiler in Go** | *Go, Antlr, LLVM IR* — April 2024
- A compiler written for a custom programming language

**Eventure** | *Typescript, Next.js, Vercel, Convex* — Jan 2024
- An event management application which helps people organize events and connect with event planners

**EasyRAG** | *Typescript, Next.js, Vercel, Convex, OpenAI SDK, HuggingFace, Anthropic SDK, Clerk* — Aug 2024
- An integrated platform for training/deploying RAG models, powering a chatbot interface and custom website embeddings

## LEADERSHIP / EXTRACURRICULAR

- Resident Advisor, *University of Cincinnati*
- President, *Google Developer Student Club*
- Director, *RevolutionUC Hackathon*