

# Suhith Ghanathay

Dallas, TX | (682) 340-7406 | [suhithghanathay@gmail.com](mailto:suhithghanathay@gmail.com) | [linkedin.com/in/gsuhith](https://www.linkedin.com/in/gsuhith)

## SKILLS

---

- Frontend: React, Next.js, React Native, Expo, Tailwind
- Backend: Node.js, Firebase, MySQL, SQLPlus, REST APIs
- Testing & CI/CD: Selenium, Jasmine, Appium, LoadRunner, JMeter, Jenkins
- AI/ML: RAG pipelines, LLMs, NLP, TensorFlow, MediaPipe, Scikit-learn, Model Training & Evaluation
- DevOps & Monitoring: Docker, Postman, Zabbix, Grafana, Elastic search, Ansible
- Auth & State: Clerk, NextAuth, Redux
- UI & Styling: Tailwind, NativeWind, ShadCN, React Native Paper
- Programming Languages: JavaScript, Python, Java, Go, C#, C, KQL

## PROJECTS

---

### UTAMarket – AI powered E-Commerce Platform

*Next.js / React 18 / Node.js / MySQL / NextAuth / NLP / TensorFlow.js*

- Developed a full-featured e-commerce web App with personalized AI powered product recommendation with 50 products.
- Engineered real-time dynamic pricing algorithms based on user behavior and market trends.
- Implemented intelligent search with NLP, AI-powered recommendation logs, and a data analytics dashboard for business insights.
- Integrated role-based access control, secure payments, and a continuous feedback loop to improve AI model performance.
- GitHub: [UTAMarket](#)

### MavSphere - Academic Networking and Career Development Platform

*Next.js / React 18 / Node.js / MySQL / NextAuth / Prisma / Websockets.io*

- Developed a full-featured web platform connecting grad students to forums, job boards, mentorships and academic events
- Created and hosted multiple Tech and Skill Roadmaps and implemented cross user chat functionality.
- Implemented secure user authentication, responsive UI, and backend endpoints for real-time updates.
- GitHub: [MavSphere](#).

### MavLynx - AI-Powered Mobile International Student Support App

*React Native / Node.js / Firebase / MySQL / RAG Pipeline*

- Gathered requirements about a real problem that international students faced at the university and built a cross-platform mobile app providing international students with personalized support (housing, holds, phone plans, clubs etc)
- Integrated LLM-powered RAG pipeline for context-aware AI assistance and Clerk for secure authentication
- Utilized push notifications, real-time GPS tracking and cloud functions via Firebase.
- GitHub: [MavLynx](#).

## EXPERIENCE

---

### Senior Software Engineer | Transportation Industry | Capgemini

2020 - 2023

- Enhanced system performance by identifying bottlenecks and implementing optimizations, leading to a 20% reduction in response time.
- Conducted in-depth performance analysis, uncovering inefficiencies that improved application speed and user experience.
- Automated performance testing workflows using Jenkins and LoadRunner, cutting manual effort by 40% and increasing test coverage.
- Maintained up-to-date documentation on system architecture and performance benchmarks, improving knowledge transfer and reducing onboarding time by 30%.

### Junior Software Analyst | Telecom Industry | Capgemini

2019 – 2020

- Analysed 100+ test cases based on customer requirements using the Jasmine framework, improving test efficiency by 25%.
- Developed maintainable automation code, increasing test coverage by 30% and reducing manual testing efforts by 40%.
- Consistently met 100% of project deadlines by effectively managing time and prioritizing tasks based on business impact.

## EDUCATION

---

Master of Science in Computer Science

2023 - 2025

*University of Texas at Arlington, Arlington, TX*

**Majors:** Intelligent Systems | Software Engineering

**Coursework:** Data Analysis and Modeling Techniques, Distributed Systems, Data Mining, Machine Learning, Artificial Intelligence, Software Engineering, Web Data Management, Advanced Topics in Software Engineering, Database Systems, Bioinformatics.