

Sanjeev Ragunathan

469-388-5240 sr2432@cornell.edu <https://www.linkedin.com/in/sanjeev-r-m/> <https://www.sanjeevragunathan.com/>

Education

Cornell University

Master of Engineering (MEng.) in Computer Science

Ithaca, NY

Aug 2025 - May 2026 (Expected)

Vellore Institute of Technology

Bachelor of Technology (BTech.) in Computer Science Engineering

Vellore, India

Sep 2021 - May 2025

Skills

Programming languages: Swift, Python, Java, JavaScript, C, C++
iOS Frameworks: SwiftUI, UIKit, MapKit, CoreLocation, ARKit, RealityKit, PassKit (Apple Pay)
iOS APIs: Combine, Swift Concurrency (async/await), URLSession, AVFoundation
Tools: Xcode, Git, iOS Simulator, insomnia, postman
AI/ML Engineering: LLMs, RAG Agentic AI, LangChain, n8n, OpenAI SDK
Backend Development: RESTful APIs, SQL, NoSQL, Node.js, Express

Experience

Flixdin

Software Application Developer

Bengaluru, India

Jan 2024 - May 2025

- Owned end to end development of a **native** SwiftUI social app for filmmakers, building **MVVM** architecture, API integration, and Core UI features (authentication, search, interactions, and chat)
- Reduced app boot time from **12 to 2.6s** by parallelizing network calls with swift concurrency and implementing response caching.
- Designed and developed the MVP which was pitched to investors, securing **\$10k+ in funding** which contributed to cloud costs and team budgets.

Orom Corp

Founding iOS Application Developer

VIT, Vellore, India

July 2023 - Dec 2023

- Led execution designing to **SwiftUI** development to production (handling TestFlight and App Store submission).
- Built a map using **MapKit/CoreLocation** with custom annotations and **live GPS** tracking; implemented a real-time timer-driven ride metrics engine; finalized billing via **JWT URLSession APIs** with **Codable**.
- Implemented **QR scanning (AVFoundation)** and integrated in-app **payments (Apple Pay/PassKit + Razorpay)** for a complete checkout/unlock experience; used modular MVVM architecture to keep UI + networking maintainable.

Projects

Scapea (Co-Founder)

Augmented Reality Gardening Companion

Mumbai, India

Sep 2023 - Mar 2024

- Built an **AR** experience using **ARKit/RealityKit** with horizontal plane detection + coaching overlay, enabling users to place and interact with **3D plant** models in-room.
- Architected a **Combine-based command stream** for AR actions (place assets, remove anchors, take snapshots) and added collision and gestures for natural object manipulation; integrated **photogrammetry USDZ** assets.

Spaceopedia

Space exploration encyclopedia

Chennai, India

May 2023 - Mar 2024

- Built a modular **MVC** based **UIKit** app, integrating NASA APOD using **URLSession + async/await + Codable**, handling query-based requests via **URLComponents** and robust **HTTP status** validation.
- Implemented API **image and video** rendering: async/await image loading; embedded youtube playback, with robust error-state UI.
- Built my own **custom on-device persistence** layer using **PropertyListEncoder/Decoder** to maintain the favourites.

Leadership

Co-Founder, Scapea: Drove hackathon and funding efforts, **raising \$5K+ USD in the first month**, while building the iOS app as well.

iOS instructor, Apple Developers Group: Delivered **20+ hands-on sessions** on SwiftUI and emerging iOS tech.

Volunteer Teacher, Don Bosco Orphanage School: Taught **over 400 students** across 5 grade levels (Introduction to CS and Math)