

Anand Kumar

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EDUCATION

Adamas University

B.Tech (Hons.) CSE with specialization in AI and ML

Kolkata, West Bengal

Sep. 2021 – June 2025

EXPERIENCE

Software Engineer

Dec 2025 - Present

ARC Document Solutions India Pvt. Ltd

- Developed and maintained production iOS features using Swift, UIKit, and Combine following MVVM and clean architecture principles.
- Designed an offline-first architecture with a Core Data persistence layer as the UI's source of truth and background cloud synchronization via APIs, keeping state consistent across sessions and reducing network dependency.
- Integrated RESTful APIs using URLSession and managed asynchronous data flow with Combine across networking, view models, and UI layers.
- Enhanced an existing job queue system that persists offline requests and executes them with retry and requeue logic when connectivity is restored.
- Improved accessibility across key flows to support ADA compliance, adding VoiceOver labels and traits and Dynamic Type support for scalable text.

Software Engineering Intern

May 2025 - Nov 2025

ARC Document Solutions India Pvt. Ltd

- Built dynamic and reusable UI components using UIKit, Swift, and Auto Layout to improve consistency and user experience across the app.
- Integrated backend APIs and handled JSON response mapping to display data.
- Collaborated with senior developers to maintain smooth data flow between user input, backend services, and UI rendering.
- Used Xcode and Git for feature development, debugging, and version control during iterative development cycles.

PROJECTS

WhileHere | *SwiftUI, Core Data, MapKit, Core Location, UserNotifications, Firebase* | [App Store](#)

- Built and launched a location-based reminder app for iPhone and iPad with geofence-triggered reminders, multi-location task support, and radius-based triggers.
- Built interactive map flows for adding, moving, and prioritizing pins, with suggested nearby places based on task keywords.
- Added actionable notifications (Remind Later, Mark Done) and permission handling for background location; integrated Firebase Analytics and Crashlytics.

Snimiq | *SwiftUI, Core Data, Vision, PhotoKit, BGTaskScheduler, Firebase*

- Built a photo organization app that makes libraries searchable by their contents via on-device OCR and Vision auto-tagging — full-text search across extracted text, tags, and collections.
- Designed a privacy-first, zero-backend architecture with background indexing (BGTaskScheduler), incremental imports with deletion sync, and live cross-tab updates via Core Data observation.
- Shipped MVVM with protocol-based dependency injection and unit tests; integrated Firebase Analytics and Crashlytics behind a testable wrapper.

TECHNICAL SKILLS

Programming Languages: Swift, Python

Frameworks: UIKit, SwiftUI, Combine, Vision (OCR), MapKit

Concurrency: Swift Concurrency (async/await, actors, Sendable), Grand Central Dispatch (GCD)

Persistence: Core Data, SwiftData

Tools: Xcode, Git, Instruments, Firebase