

KARTHIKEYAN MUTHU

Software Developer

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Linkedin | GitHub | Portfolio

Education

Sri Ramakrishna Engineering College
Computer Science and Engineering BE
CGPA: 8.43

Coimbatore, Tamil Nadu
October 2020 – May 2024

Internship

- iOS Developer | Mallow Technologies, Coimbatore, Tamil Nadu August 2023 - December 2023
- Developed user-friendly applications in Swift using the **MVVM** architecture for 6+ native iOS apps.
 - Employed expertise in 3rd party SDKs and libraries to coordinate a smooth integration of serial RESTful API calls, resulting in a 30% enhancement in response time.

Projects / Open-Source

- Password Manager** | GitHub | Demo App *React-Native, Async Storage, JavaScript*
- Engineered a CRUD application using React Native, **Context API** for global state management, and **Async Storage** for persistent password management with 100ms read/write speed.
 - Improved user efficiency by integrating functionalities for copying and editing stored passwords, resulting in a 30% reduction in data entry time.
 - Employed **React Navigation** with stack navigation for seamless transitions between screens, achieving an average screen transition time of under 150 milliseconds.

- TrendFlix** | GitHub | Demo App *React-Native, Axios, Redux Toolkit, Redux Persist*
- Developed a React Native Expo app with advanced navigation, featuring popular movies and series, and offering sort and search filtering.
 - Implemented **Redux** and **Redux Persist** to manage and store liked movies, ensuring 100% data persistence across sessions, and utilized **React Native Share** to enable sharing the liked movies list.
 - Leveraged **Axios** for efficient API calls, reducing data retrieval time by 20%, and integrated React Native **Animatable** for engaging animations, cutting perceived load times by 1.5 seconds.

- Pokémon Profiler** | GitHub *Swift, UIKit, Cocoa-Pods, Cocoa-Touch, Core-Data*
- Implemented **Core Data** for data persistence leading to an improvement in app's overall performance by 40%.
 - Demonstrated expertise in **Grand Central Dispatch** queues and multithreading asynchronously integrating APIs to use JSON data.
 - Effectively optimized the system by significantly trimming down the response time to 1 second.

Certifications

- iOS 17, SwiftUI 5, & Swift 5.9: Build iOS Apps From Scratch - **Udemy**
- Back-End application development with Node.js and express - **edX**
- Data Science: Visualization - **HarvardX**

Key Skills

- React Native
- React JS
- Redux
- React Navigation
- Expo
- JSON
- RESTful APIs
- JavaScript
- Git