

NISTALA MARKANDEYULU

SOFTWARE ENGINEER

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SUMMARY

Results-driven iOS Developer with 4.9 years of experience building scalable, high-performance mobile applications using Swift, SwiftUI, and Combine. Strong expertise in MVVM architecture, REST API integration, BLE connectivity, push notification lifecycle handling, and Core Data persistence. Experienced in delivering production-grade applications in Automotive and Mobility domains, collaborating in Agile environments, and ensuring App Store compliance.

PROFESSIONAL EXPERIENCE

Innominds Software Pvt. Ltd., Hyderabad - iOS Application Developer (November 2024 – Present, 2 years)

- Developing scalable, high-performance iOS features for Royal Enfield's Flying Flea application using SwiftUI, Combine, and MVVM architecture.
- Implementing pixel-perfect UI designs with SwiftUI and building reusable, modular UI components to ensure design consistency and maintainability.
- Managing advanced push notification workflows across foreground, background, and terminated states using Firebase Cloud Messaging (FCM) and Salesforce Marketing Cloud (SFMC).
- Architecting a centralized custom alert management system using enum-driven logic to prevent alert overlap and enforce priority-based error handling.
- Integrating BLE (Bluetooth Low Energy) connectivity to enable real-time vehicle dashboard updates, device scanning, and connection management.
- Developing a robust network monitoring solution using NWPathMonitor and Combine to manage application-wide connectivity states.
- Implementing Core Data-based persistence for notification history with pagination and optimized fetch performance.
- Leveraging AI/LLM-powered development tools such as Cursor, GitHub Copilot, and Claude to accelerate code generation, refactoring, debugging, documentation, and test development.
- Enforcing coding standards through SwiftLint compliance and performing modular refactoring to enhance code quality and maintainability.
- Collaborating with backend, QA, and design teams within Agile sprint cycles using Jira and Git-based version control workflows.

Colour Moon Technologies Pvt. Ltd., Visakhapatnam - iOS Application Developer (October 2021 – June 2024, 2 years 9 months)

- Developed and maintained multiple production-grade iOS applications using Swift (UIKit) and SwiftUI for iPhone and iPad platforms.
- Implemented scalable architectures for medium-scale applications using MVC and MVVM patterns to enhance code maintainability and reusability.
- Delivered pixel-perfect UI implementations using Auto Layout, SwiftUI, and reusable custom UI components.
- Integrated RESTful APIs using URLSession and Alamofire with Codable-based model parsing for efficient networking and structured data handling.
- Incorporated third-party SDKs including Google Maps, Facebook SDK, and payment gateway integrations to extend application functionality.
- Implemented push notification services and cloud messaging solutions to enable real-time user engagement and updates.

- Resolved compatibility and performance issues across multiple iOS versions and diverse device screen sizes.
- Managed version control workflows using Git, including branching strategies, merging, and conflict resolution, while collaborating with cross-functional teams.
- Applied Agile methodologies using Jira for sprint planning, task tracking, and defect management.
- Managed the complete App Store release lifecycle, including certificate handling, provisioning profiles, TestFlight distribution, and App Store compliance.
- Contributed to performance optimization, debugging, and crash analysis to improve overall application stability and reliability.

PROJECTS

Flying Flea (Royal Enfield Electric Connected Vehicle)

FOOD APPLICATIONS :

Tizola :

AppStoreLink : <https://apps.apple.com/ag/app/tizola/id1580384001>

Homza Cart :

AppStoreLink : <https://apps.apple.com/in/app/homza-cart/id6469615165>

Food Ride :

AppStoreLink : <https://apps.apple.com/in/app/foodride/id6448753702>

TECHNICAL SKILLS

Languages : Swift

Frameworks : SwiftUI, UIKit, Combine, Core Data, Core Animation

Architecture : MVC, MVVM

Networking : REST APIs, URLSession, Alamofire

Push Notifications : Firebase Cloud Messaging (FCM)

Connectivity : BLE (Bluetooth Low Energy), NWPathMonitor

Database: Core Data, Realm

Tools : Xcode, Git, Jira, TestFlight

Practices : Agile, CI/CD, App Store Deployment

EDUCATION

Bachelor of Technology (B.Tech) in Mechanical Engineering

Avanthi Institute of Engineering and Technology, Visakhapatnam, Andhra Pradesh

2019

GPA: 60.5%

Intermediate (MPC)

Narayana College, Visakhapatnam, Andhra Pradesh

2015

GPA: 80%

Secondary School Education

Navodaya Model School, Palakonda, Andhra Pradesh

2013

GPA: 7.8/10

ADDITIONAL INFORMATION

- **Languages:** English, Telugu.