

# Vasanth Adabala

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## SUMMARY

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"Mobile Application Developer with expertise in building scalable Android and iOS applications using modern frameworks and tools. Skilled in Kotlin, Swift, Jetpack Compose, SwiftUI, MVVM architecture and asynchronous programming. Focused on delivering high-quality solutions with reliable performance, intuitive UI/UX, and cross-platform efficiency."

## WORK EXPERIENCE

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### Android Application Developer

Nov 2024 – Sep 2025

*Remote*

- Designed and developed a full-scale CRM Android app using Jetpack Compose, Ktor client, and Room database with modern MVVM architecture.
- Led the implementation of five core app modules — Home, Workplace, Activity, Mart, and Settings — with efficient navigation and modular architecture.
- Integrated multichannel communication system supporting Call, SMS, WhatsApp, Email (via AWS SES), and Meet, enabling seamless lead and advisor interaction.
- Developed real-time features using WebSockets for interviews and activity tracking, enhancing responsiveness and inter-activity.
- Created a Study Management System with topic scheduling, custom calendar visualization, and performance analytics.
- Engineered career assessments (aptitude, attitude) with face verification using Google ML Kit and dynamic question delivery.
- Implemented GPS-based QR code attendance, team member location tracking, and institute management for professional services and courses.
- Built a full-featured in-app Mart for educational and training course discovery and enrollment.
- Ensured background data sync of calls, contacts, and locations using Firebase Cloud Messaging, WorkManager, and foreground services.
- Contributed to app scalability, performance optimization, and lifecycle-aware user flows using Kotlin Coroutines, Flow, and LiveData.
- Assisted in backend development using Node.js, Express, and PostgreSQL, implementing CRUD operations and supporting API integration with the mobile app.

### Android Application Developer (Intern)

Jan 2024 - Oct 2024

- Assisted in developing and testing new Android app features under the guidance of senior developers.
- Helped refine user interface elements and verified functionality across different devices and Android versions.
- Contributed to quality assurance by reporting bugs, retesting fixes, and supporting regression testing.
- Provided support in maintaining project documentation and tracking development progress.
- Gained practical exposure to collaborative workflows, code reviews, and version control using Git.

### Android Application Developer (Intern)

May 2023 - Nov 2024

- Assisted in manual testing of Android applications to identify bugs, usability issues, and performance bottlenecks.
- Supported the development team with small tasks such as debugging, documenting issues, and verifying fixes.
- Gained hands-on exposure to Android development concepts including Ktor, RoomDatabase, MVVM, Coroutines, LiveData, and Navigation components.
- Helped with basic app maintenance tasks, ensuring smooth builds and testing app features across different devices.
- Collaborated with senior developers by learning workflows, contributing to team discussions, and adapting to evolving project requirements.
- Provided feedback on user interface behavior and overall app performance during testing cycles.

## PROJECTS

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### Margda (CRM-based Business Communication App)

[Link](#)

- Developed a comprehensive CRM Android application using Jetpack Compose for UI, Ktor for network requests, and Room/SharedPreferences for local storage.
- Built authentication flows (Login/Signup) and bottom navigation with five core modules: Home, Workplace, Activity, Mart, and Settings.
- **Home Module:** Integrated Advisor listings, Wallet, and Recharge for professional service bookings (e.g., Teacher, Lawyer).
- **Workplace Module:**
  - Enabled lead conversion from verified user data with multichannel communication (Call, SMS, WhatsApp, Meet, Email via AWS SES).
  - Implemented team member tracking, real-time activity and location tracking, and team invitation features.
  - Developed a Study Management System with topic scheduling and custom calendar-based visual progress tracking.
  - Added Career Assessment tools (aptitude, attitude tests), face verification using Google ML Kit, and image validation logic.
  - Integrated real-time interview management with WebSockets and dynamic question delivery.
  - Created Institute Management system to handle course creation with duration, fees, and syllabus.
- **Activity Module:** Showcases chronological logs of all user interactions.
- **Mart Module:** Offers an in-app marketplace for educational and training courses.
- **Settings Module:** Features toggles to sync calls, contacts, messages, and location updates.
- Included GPS-based QR attendance for team members and push notifications via Firebase.
- Used MVVM architecture, Coroutines, lifecycle-aware components, and background workers for optimal performance.

### PiggyFlow (Budget Tracker App - Android: Kotlin/Compose, iOS: SwiftUI/Swift)

[Link](#)

- Developed a cross-platform personal budget tracking application using native Android (Kotlin, Jetpack Compose) and iOS (Swift, SwiftUI).
- Built a user-friendly onboarding flow for capturing user name and initial setup.
- Added bottom navigation with three primary sections: **Home, Stats, Settings**.
- **Home Module:**
  - Designed a credit-card style dashboard showing total budget, spent amount, and remaining balance.
  - Implemented search and filter functionalities for efficient transaction lookup.
  - Displayed detailed lists of income and expenses with item click navigation to a full detail screen containing edit and delete options.
  - Added a floating action button that opens a bottom sheet for adding income (budget) or expenses.
- **Stats Screen:**
  - Integrated an interactive line chart to visualize expense trends over time.
  - Displayed top spending categories sorted from highest to lowest.
  - Implemented category-level detail screens showing complete expense and budget history.
  - Added support for exporting category data and summaries as PDF files.
- **Settings Screen:**
  - Displayed user profile card with username and profile settings.
  - Integrated Google Sign-In and provided options for Backup, Restore Backup, Delete Backup, and Sign Out.
  - Included an About card that navigates to a detailed app information page.

### Spacee Gemini (AI-powered assistant)

[Link](#)

- Developed an AI chatbot using Gemini API for rich user interaction with support for single, multi-chat, and image-based prompts.
- Built with Jetpack Compose and Kotlin; followed MVVM architecture for scalability and clarity.
- Used Ktor for efficient API communication, enhancing real-time data flow.

SKILLS

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Programming Languages:	Kotlin, Swift, Javascript
Android Development:	Jetpack Compose, Material Design, Shared Preferences, Coroutines, LiveData, Flow, Ktor, Retrofit, Paging, RoomDatabase, MVVM, Glide, RestApi, Dependency Injection, Zxing, Push Notifications, Coil, WorkManager, Foreground Services, WebSockets, Google ML Kit, Jetpack Navigation
Ios Development	SwiftUI, NavigationStack, Gestures, UserDefaults, AppStorage, SceneStorage, SwiftData, State and Binding, State Management, URLSession, Codable, async/await, Dependency Injection, MVVM
Cross Platform:	ReactNative, Fetch-Api, Hooks, Sql-lite, CodePush
Backend Development	Nodejs, express, Firebase, MySql, Postgresql
Developer Tools:	Android Studio, Xcode, Visual Studio, Expo, Figma, Postman, Git, GitHub

EDUCATION

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Bachelor of Technology (B.Tech) in Computer Science	
B.V.C Engineering College(Affiliated with JNTUK) – (CGPA: 6.3)	Odalarevu
Higher Secondary (Intermediate) Vidyanidhi Junior College – (Percentage: 67)	Tatipaka
High School Z.P.H School – (CGPA: 9.3)	Kesanapalli

CERTIFICATIONS

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Meta Android Developer Professional Certificate	Coursera
Meta React Native Developer Specialization	Coursera