

Bhavya Marripudi

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PROFESSIONAL PROFILE

Innovative **Android Developer** with **5 years of experience** specializing in **Infotainment App Development** for **General Motors**. Adept at designing and developing high-performance **Android applications** with expertise in **Kotlin, Java, MVVM architecture, Jetpack components, and RESTful APIs**. Skilled in **UI/UX optimization, third-party API integrations**, and **enhancing app security and performance**. Passionate about delivering scalable solutions and improving user engagement through intuitive app designs.

TECHNICAL SKILL

- **Programming:** Kotlin, Java, Python, SQL, XML, HTML
- **Architecture:** MVVM, MVP, Clean Architecture
- **UI/UX:** Jetpack Compose, XML, Material Design
- **Networking:** RESTful APIs, Retrofit, Volley
- **Databases:** Room, SQLite, Firebase Realtime Database
- **Management Tools:** Git, bitbucket, Jira, Gerrit, RTC, google colab, Android Studio, Gradle, GitHub.
- **Testing:** JUnit, Espresso, Mockito
- **Third-Party Libraries:** Dagger/Hilt, RxJava, Coroutines
- **Agile & Collaboration:** Jira, Trello, Confluence, Scrum & Kanban

EMPLOYMENT EXPERIENCE

Research Assistant (Android)

University of North Texas | Denton, TX | Jan 2024 – May 2025

- Conducted research on optimizing Android application performance, security, and UI/UX design.
- Developed experimental Android applications to test and evaluate new mobile computing methodologies.
- Analyzed performance benchmarks for Android apps, focusing on efficiency and memory management.
- Assisted in publishing research findings on Android development best practices.
- Collaborated with professors and students to explore emerging technologies in mobile app development.

Junior Software Engineer (Android)

People Tech Group | Hyderabad, India | Dec 2019 - June 2023

Client: General Motors

- Developed **high-performance infotainment apps** for **General Motors' vehicle systems**.
- Designed UI components using **Jetpack Compose, Material Design, and XML** for enhanced user experience.
- Integrated **RESTful APIs** using **Retrofit** for seamless backend communication.
- Optimized app performance by **30%** via efficient **memory management & asynchronous processing**.
- **Collaborated with cross-functional teams** (designers, backend engineers, QA) for high-quality delivery.
- Ensured **app security compliance** and best practices for **data privacy & optimization**.
- Improved **unit & UI test coverage** by **40%** using **JUnit & Espresso**.
- **Followed Agile methodologies**, participating in **scrum calls, sprint planning & code reviews**.

PROJECTS

- Developed an **intuitive interface** displaying vehicle diagnostics and real-time status updates.
- Implemented **seamless navigation and UI transitions** to improve **user experience**.
- Integrated **Firebase for push notifications** and real-time remote configurations.
- Conducted **rigorous debugging and performance optimizations** to ensure app stability.

EDUCATION

Master's in Computer and Information Sciences

University of North Texas | Denton, TX | Expected May 2025 | GPA: 3.45

ROLES AND RESPONSIBILITIES:

- **Actively attending scrum calls** and preparing requirement documents.
- **Developing UI (XML-based layouts)** and integrating **ViewModels**.
- **Active contributor** to **open-source Android projects** on **GitHub**.
- Regularly participate in **hackathons** and **Android developer communities**.