

Archana Karnam

+91 9666474535 | karnamarchana@gmail.com | <https://www.linkedin.com/in/archanakarnam//> | <https://github.com/ArchanaKarnam>

EDUCATION

MLR Institute of Technology

Bachelor of Technology, Information Technology

Hyderabad, India

June 2018 – June 2022

EXPERIENCE

Software Engineer

Ivy Comptech

August 2023 – Present

Hyderabad, India

- * Developed Android applications with **Kotlin** and **Java**, leveraging Android application frameworks to 98% defect-free production rate.
- * Developed and integrated a new Tourney buy-in screen using **Jetpack Compose**; wrote and executed **Compose unit tests**, achieving **95% test coverage** and enhancing UI functionality and reliability.
- * Implemented automated testing using **Espresso** for **UI testing** and **MockK** for mocking dependencies, resulting in a **40% reduction in manual testing time** and a 25% increase in test accuracy
- * Established an automated build process using **CI/CD pipelines**, optimizing continuous integration, automated testing, and deployment, reducing release times by **30%**
- * Worked on **regulatory compliance projects**, decreasing non-compliance by 30%.
- * Led the implementation of regulatory compliance projects to restrict gambling activities, enhancing player safety, resulting in a 30% reduction in non-compliant player activity.

Trainee Software Engineer

Ivy Comptech

July. 2022 – August.2023

Hyderabad, India

- * Diagnosed and fixed **app crashes**, improving stability by 30% and enhancing user experience.
- * Redesigned app orientation from landscape to portrait, boosting usability by 25%.
- * Introduced the **"Free Play" feature**, increasing engagement by 40%
- * Provided release support, resolving critical regression issues efficiently.

PERSONAL PROJECTS

Movie Finder App — Jetpack Compose, Kotlin, Clean Architecture (MVVM), Retrofit, Room Database

- * Developed a movie discovery app using **Jetpack Compose** and **Kotlin**, applying **Clean Architecture** with **MVVM** for scalable and maintainable code.
- * Integrated **TMDB API** to fetch and display popular and upcoming movies, with detailed information for each.
- * Designed an intuitive UI using Jetpack Compose, incorporating a **bottom navigation bar** and **search functionality**.
- * Used **Retrofit** for networking and **Room Database** for offline data storage.

TECHNICAL SKILLS

Languages & Frameworks : Kotlin, Java, Android SDK, Jetpack Compose

Tools & Platforms : Android Studio, IntelliJ IDEA, Gradle, Git

Mobile Architecture : MVVM, MVC, Clean Architecture

Testing & Debugging : Unit Testing, Compose Unit Testing, Espresso, MockK, Android Studio Profiler

CI/CD : Fastlane