

Gurdeep Saini

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EDUCATION

Vellore Institute of Technology

B.Tech, Computer Science Engineering — CGPA: 8.3/10.0

Bhopal, India

July 2019 – June 2023

TECHNICAL SKILLS

Languages: Kotlin, Java

Architecture Patterns: MVVM, MVI, MVP, Clean Architecture

Dependency Injection: Hilt, Dagger, Koin

Android Frameworks: Jetpack Compose, Coroutines, Flows, RxJava, Room, ViewModel, WorkManager, Navigation Component, LiveData, Android SDK

Networking & APIs: Retrofit, RESTful APIs, Ktor, OkHttp

Firebase Services: Authentication, Firestore, Remote Config, Analytics, Crashlytics, Cloud Messaging

Cross-Platform: Kotlin Multiplatform (KMP)

UI & Design: XML Layouts, Material Design 3, Glide, Picasso, Lottie Animations, Custom Views

Tools & DevOps: Android Studio, Gradle, ProGuard, R8, Git, GitHub, CI/CD Pipelines, Play Store Deployment

EXPERIENCE

MoneyView

Android Developer

February 2023 – Present

Bengaluru

- Reduced APK size by 44% (**79.1MB** → **44MB**) through **ProGuard/R8** optimization, vector drawable conversion, and Android App Bundle (AAB) migration, improving Google Play Store ranking and user download rates.
- Architected scalable multi-product referral system using SDUI framework, Jetpack Compose, Retrofit, Hilt, and AppsFlyer SDK, accelerating campaign rollout and ensuring compliance with fintech regulations.
- Developed loan products with **Jetpack Compose**, **Kotlin**, **MVVM architecture**, **RESTful APIs**, and **Firebase** contributing to Rs. **400+ Cr** in loan disbursements..
- Built Add and Edit Accounts feature with 4 **Jetpack Compose** screens following Material Design 3 guidelines, integrating **Room** for offline persistence and **Ktor** for API synchronization with proper error handling.
- Created Loan closure feature using MVI architecture and engineered reusable feedback component with generic **REST APIs**, reducing integration to 2 lines of code across 5+ flows.
- Migrated **10+ ORM tables** to **Room** database with **Coroutines** and **Flows**, implementing Repository pattern and indexing strategy, improving query performance with proper database migrations.
- Led **Kotlin Multiplatform (KMP)** migration of multiple screens enabling shared business logic across **Android/iOS**, reducing code duplication using **Koin** for dependency injection and **Ktor** for unified API layer.
- Implemented permission-free PDF download using **WorkManager** for background tasks, **FileOutputStream** for optimized file handling, and backward-compatible solution for Android 9+ with proper lifecycle management.

PROJECTS

Doctor Patient Appointment App | [GitHub](#)

- Built appointment booking app with **Jetpack Compose**, **Firebase** (Auth, Firestore, Remote Config), **Hilt**, and **MVVM** architecture following Material Design 3 principles.

GenAI Resume Enhancement App | [GitHub](#)

- Developed AI-powered resume analyzer using **Gemini API** with **Firebase Remote Config** for dynamic LLM updates, PDF parsing, and **Jetpack Compose** UI with error handling and loading states.

Android Development POC Collection

- Room Database:** CRUD operations with migrations and Flow-based observers | [GitHub](#)
- Firebase Remote Config:** Feature flags and A/B testing implementation | [GitHub](#)
- Firebase Firestore:** Real-time database with offline persistence | [GitHub](#)
- Firebase Authentication:** OAuth 2.0 with Google Sign-In | [GitHub](#)