

# PUSHP HANS

Android Developer with hands-on experience in MVVM & Firebase – currently building production-grade apps

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## CORE EXPERTISE

**Languages:** Kotlin

**Android Components:** Jetpack (ViewModel, LiveData, Navigation, Paging3, ViewPager), Room Database

**Networking:** Retrofit, REST API

**Firebase:** Auth, Firestore, Realtime Database

**Architecture:** MVVM, Repository Pattern

**Concurrency:** Coroutines, Flow

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## PROFESSIONAL EXPERIENCE

**Product Engineer Intern** | Codices Technologies LLP, Gurgaon | Jan - July 2025

- Fixed critical crashes in production app using systematic debugging
- Implemented MVVM with Coroutines in new features (replaced callback hell)

**Founding Android Developer** | Master Healthcare (Freelance) | May 2025 - Present

- Built pharma catalog prototype with Firebase real-time sync (30K+ items)
  - Developed admin panel for inventory management (under development)
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## PROJECTS

**CustomDialer - Native Dialer Experience** (<https://github.com/pushphans/CustomDialer>)

- Recreated stock dialer functionality with full call history
- Solved: Android's restricted call log access
- Tech: Room DB, ContentResolver, CALL\_PHONE, READ/WRITE\_CALL\_LOG permissions

**EbookApp - Digital Library Management** (<https://github.com/pushphans/EbookApp>)

- Built admin-controlled ebook publishing system
- Solved: Real-time content updates without app redeployment
- Tech: Firebase Auth/Firestore, MVVM, Glide

**SOS Toolkit - All-in-One Emergency App** (<https://github.com/pushphans/EmergencyApp>)

- One-tap emergency calls + WebView-powered live location sharing
- Built-in emergency contacts and quick guides
- Tech: WebView Maps, Runtime Permissions, Room DB

**NoteSwift - Offline Productivity App** (<https://github.com/pushphans/NotesApp>)

- Instant note-taking with search functionality
  - Solved: Data persistence without cloud dependency
  - Tech: Room DB, Coroutines, Material 3 UI
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## ACHIEVEMENTS

- **Rapid Skill Acquisition** : Self mastered kotlin by architecting 4+ fully functional apps
  - **Production-Grade Implementations** : Successfully deployed Firebase Auth + Firestore with real time syncs in Healthcare prototypes
  - **Crash-Crisis-Manager** : Diagnosed and resolved 15+ high priority crashes in projects during Internship period. Implemented preventive measures to reduce crash recurrence by 70%
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## EDUCATION

B.Tech (CSE) | Himachal Pradesh Technical University | 2021-2025