

ADITYA SINGH

SOFTWARE ENGINEER

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Noida, U.P.

SKILLS

Programming: Kotlin, Java, C/C++,
OOP, debugging

Android: MVVM, ViewModel,
LiveData, Coroutines, RecyclerView,
XML UI, Material Design

Streaming/IPTV: UDP multicast,
HLS, MVP Player, channel mapping,
IPTV systems.

APIs & Tools: Retrofit, Room, JSON,
REST APIs, Git, Android Studio,
Linux (CLI), MySQL, Postman.

Other: HTML/CSS, QA testing

PORTFOLIO & PROFILE

 github.com/shrinetaadi/

 [linkedin.com/in/aditya-singh-shrinet-053395151/](https://www.linkedin.com/in/aditya-singh-shrinet-053395151/)

EDUCATION

GGSIIP University, Delhi

B-Tech. in Information Technology
2015 - 2019

JKG Sr. Sec. School, Ghaziabad

12th Standard | PCM
2015

SUMMARY

Android Developer with 4 years of experience developing mobile and STB-based Android applications. Skilled in Kotlin, MVVM, Retrofit, Room, XML UI, and IPTV workflows including UDP/HLS streaming, channel management, and debugging STB behaviour. Developed a complete IPTV Android application and a Multiviewer tool used by broadcasters for monitoring multiple live channels. Comfortable working in Linux environments, analyzing logs, and solving streaming-related issues.

EXPERIENCE

Catvision Limited

Software Engineer

2021 - PRESENT

- Developed and maintained Android applications for STBs and mobile devices using Kotlin, MVVM, Retrofit, Room, and XML.
- Delivered the Catvision Remote App on the Google Play Store (over 1000 installs).
- Implemented UI flows, server-configured modules, API integrations, and performance enhancements to improve stability and user experience across IPTV and STB applications.

PROJECTS

Multiviewer / Multiple Video Viewer (Broadcaster Tool)

- Displays 9 live UDP/HLS streams in a 3×3 grid using MVP Player with selectable audio from any one tile. Tool used by broadcasters to monitor live channels
- HTML-based configuration page for assigning channels and active audio
- Tech: Kotlin, XML, MVP Player, UDP/HLS, HTML/CSS, JSON
- Role: Implemented playback logic, grid UI, audio selection, and config workflow

IPTV Mobile & STB Application

- Internal IPTV app deployed in hotels and enterprise setups.
- Server-driven UI (JSON-based menus, tiles, and layouts) .
- PMS integration for guest information and welcome screens.
- Weather API, Flight API, and RSS feed modules
- Live TV playback (UDP/HLS) using VLC Player
- Offline caching for images and configuration
- Tech: Kotlin, MVVM, Retrofit, Room, XML, VLC Player
- Role: Built UI modules, API integrations, playback workflow; supported testing and deployment

Catvision Remote App

- IR remote-control app for STBs
- UI for channel, volume, and navigation controls
- Tech: Kotlin, MVVM, XML, Android IR APIs
- Role: Designed UI and implemented IR communication logic

Mausam - Weather App

- Simple weather application with API integration.
- Fetches weather data via REST API with basic error-state handling and UI screens.
- Tech: Kotlin, MVVM, Retrofit, XML.
- Role: Implemented UI and API logic