

SIDDHARTH SINGH

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Siddharth Singh

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Education

Indian Institute of Information Technology and Management

Master's + Bachelor of Technology in Information Technology

Aug. 2020 – May 2025

Gwalior, Madhya Pradesh

GD Goenka Public School

Class XII CBSE

April. 2018 – April 2019

Lucknow, Uttar Pradesh

Experience

Clickretina | *Kotlin, XML, Retrofit, Room, Android Studio, Postman, Figma*

June 2022 - September 2022

Android Developer Intern

- Worked on the company's YouTools App using **Kotlin** with **MVVM** Architecture for a scalable and efficient system.
- Developed features and fixed bugs **enhancing the productivity and User Experience** of the app. Received **25%** increase in app downloads and positive user reviews.
- Developed Store section, Integrated custom APIs using **Retrofit** library.
- Developed History section for push notifications via Onesignal/FCM. Used **Room** library for local database, **Coroutines** for asynchronous tasks improving app's performance and **foreground service** for detecting new notifications.
- Implemented auto/manual slide ad banner with the help of **ViewPager**.
- Developed Thumbnail Downloader feature, used **Glide library**. Used **Download Manager** and Cache Directory for downloading/sharing images. Added proper Run-time Permissions.

KrishiTechs | *Kotlin, XML, Android Studio, Firebase, Room, Coroutines, Figma*

November 2022 - January 2023

Android Developer Intern

- Came up with features/designs after observing successful AgriTech App practices and understanding the target user base of the firm to develop an MVP marketplace application.
- Implemented **OTP Authentication** using Firebase Auth.
- Developed the Home, Item Detail, Item List, Cart, Account and Settings fragments.
- Used **Firestore** for the Product and User data storage and **Firebase Storage** for storing images.
- Used **Room** library for storing Cart section data in local SQLite database.
- Used **Kotlin Coroutines** as a Concurrency technique for multitasking increasing app performance.

Projects

Good Merchant App - A Shopping Aggregator App | *Kotlin, XML, Android Jetpack, Retrofit, ML-Kit*

- Developed the app using **Kotlin**. Used **View Binding** and **Navigation Components** for Fragments.
- Implemented product search via text, URL and image with the aid of **ML Kit Image-Labeling/Text Recognition**.
- Used **Retrofit** library for interacting with Google Shopping API, Reverse Image Search API. Implemented **Recycler View** for the product list.
- Designed an aesthetic UI for the users.

SekoStream - An Energy Efficient Video Call App | *Kotlin, XML, Hilt, Connectivity Manager, Flows, Mockito, Espresso*

- Developed a Kotlin-based video calling app using **Agora SDK**, enabling users to initiate one-on-one private video calls by either creating or joining a channel. Used **MVVM** architecture pattern to build an efficient android app. .
- Used **ConnectivityManager** and Settings Preferences to monitor changes in network connectivity, data saver settings and preferences for adjusting remote video streaming quality.
- Used Kotlin **Flows** to manage the app's data and UI state.
- Implemented Dependency Injection with **Dagger Hilt** to make app efficient and performed Unit, View Model and UI testing using **JUnit**, **Espresso**, **Mockito** to guarantee the application's **responsiveness and efficiency**.

Technical Skills

Languages: Kotlin, C++/C

Developer Tools: Android Studio, VS Code, Github, Postman, Figma, Canva

Frameworks/Other Skills: Android Jetpack, XML, Firebase, Android Services, Kotlin Coroutines, Hilt, Android Testing

Achievements

- **Development Track Winner:** Winter Projects - Intra IIIT Gwalior Hackathon with 100+ teams
- **Core Team Android Head :** Google DSC IIITM Gwalior
- **Cleared SIH'22 hackathon Internal Rounds**
- **Open Source Contributor:** Script Winter Of Code 2021