Prasoon Kumar

Bachelor of Technology– Electronics and Communication Engineering – IIIT Ranchi (India)

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PROJECTS

Auto Reply App — *Android, Kotlin/Java, Room database, Firebase crashlytics, Notification listener service , Tabbed layout with MVVM architecture, Fragments, Retrofit client*

- An android application for giving auto reply message solutions to messengers.
- The replied message logs like reply time, notification title etc. are saved to local using Room database.
- Retrofit client was used to perform network operations.
- Can be used when you are out of station, sleeping.
- Having in app update feature made using play core library.
- Crash monitoring using firebase crashlytics.
- **1000+ downloads** with more than 100 active devices.
- An open source project. [Play Store Link](#)   [Github Link](#)

Github Browser (MVVM) — *Kotlin, Coroutines, Room, Dagger-Hilt, Retrofit, Glide, ViewBinding, Navigation, Fragment*

- Pick any of your favorite github repository and create a mini android app showing its details on the android app.
- Used navigation and viewbinding architecture components.
- A single activity application.
- Dagger-hilt is used for dependency injection for Retrofit, Room.
- Check out the [Github Link](#)

Privvio — *Android, Kotlin, Coroutins, Cloud firestore, Delegates, Scheduled Thread Executor, Firebase MAuth*

- Shows simplified privacy policy on top of other application as overlay by fetching data from cloud firestore.
- The application has in app privacy policy feature, where user can see the list of application.
- Firebase authentication is used for login/signup purposes.
- Use of multithreading libraries makes the application very responsive and robust. [Play store Link](#)

EXPERIENCE

Software Development Intern | Travvir | Noida, UP

JUNE 2021 – AUGUST 2021, 2.5 mos.

- Worked side-by-side with web backend developers to develop two application. Completed projects for android and Web backend.
- Tech used: *Android, NodeJs, ExpressJs, Retrofit, gRPC (for speech to text), Coroutines, Camera2API, Javascript interface, JNI (NDK), Sensor Manager.*

Android Development Intern | Privvio

FEB 2021 – MARCH 2021, 2 mos.

Worked side-by-side with system and UI designer to make a multithreaded application. Managed the update cycle of application and solved bugs.

EDUCATION

Indian Institute of Information Technology, Ranchi — *Bachelor's of Technology in Electronics and Communication Engineering*

2019 - 2023   CGPA – 8.48 (Till 5th Semester)

TECHNICAL SKILLS

- **Software development engineering**
- **Programming Languages** (*C++, Kotlin/Java,, Javascript, Python*)
- **Android development** (*Kotlin*)
- **Architecture Components** (*Room, LiveData, ViewModels, WorkManager, ViewBinding*)
- **Multithreading** (*Coroutines*)
- **Design Patterns** (*MVP, MVVM*)
- **Fundamental web backend** (*NodeJs, ExpressJs*)
- **Data structures and algorithms**
- **CS core subjects:** *Object Oriented Programming (Kotlin/Java), Computer networks, Operating systems, Database management systems (SQL)*
- **Other Tools:** *JSON, REST, Linux, GCP*

ACHIEVEMENTS

- Problem solving: [Codechef](#), [GeeksforGeeks](#)
- Got **GDSC Android Study Jams Educator** certificate
- **Bleedcode** 2020, Amity University Kolkata, coding contest, qualified round 1, done good in on-site round with rank 5.

VOLUNTEER ACTIVITIES

- **GDSC Android development lead (IIIT Ranchi)**
- **Android workshop coordinator (IIIT Ranchi),** Octocon event for HackOctober digital ocean fest**.**
- **EBSB student coordinator (IIIT Ranchi),** Ek Bharat Shreshtha Bharat

SOFT SKILLS

- Quick learner
- Adaptability

INTERESTS

- Programming, Gaming, Gardening, Learning new things