

# Prasoon Kumar

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

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[Portfolio](#)

## 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](#)

**CleanArchitecture Callblocker** — *Dagger-hilt, Jetpack Compose, Room, coroutines, MVVM architecture, Telephony Manager, Notification Manager*

- The user is able to add and delete contacts to block. The app notifies about the blocked call.
- The application has used latest clean architecture pattern.
- Dependency injection has done using dagger-hilt.
- For more information go through [Github Link](#)

**Privvio** — *Android, Kotlin, Coroutines, 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 – 8.38 (Till 4<sup>th</sup> Semester)

## TECHNICAL SKILLS

- **Software development engineering**
- **Programming Languages** ( C++, Kotlin, Java, Python, Javascript, SQL )
- **Android development and architecture** ( Fragments, Services, RoomDB, Retrofit, DaggerHilt, Coroutines, Firebase, MVVM, Android Jetpack, Gradle, Glide etc )
- **C++ with NDK integration**
- **Computer networks**
- **Operating systems** ( Windows, Linux )
- **Web backend development using MERN stack**
- **Data structures and algorithms**
- **Database management systems**
- **Google cloud platform**

## ACHIEVEMENTS

- [Codechef](#), Highest rating: **1759**
- **Hackercup 2021**, qualified till round 2.
- [TryHackMe](#), got 15 badges in learning different tools for red team of ethical hacking.
- **Bleedcode 2020**, Amity University Kolkata, coding contest, qualified round 1, done good in on-site round with rank 5.

## VOLUNTEER ACTIVITIES

- **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

- Gardening
- Gaming
- Learning new things