

Prasoon Kumar

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

#2019UGEC043R

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[Portfolio](#)

PROJECTS

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

- An android application for giving auto reply message solutions used room persistent library and MVVM architecture.
- **1000+ downloads** with more than 100 active devices.
- An open source project. [Play Store Link](#) [Github Link](#)

Hackathon Oranizer — *Django, REST Apis, HTML, CSS, Bootstrap*

- A web application made for organizing and posting hackathon events.
- Used django MVT pattern and also REST apis for authentication process.
- For more information go through [Github Link](#)

Privvio — *Android, Kotlin, Coroutine Async Task, Cloud firestore, Delegates, Scheduled Thread Executor, Firebase MAuth*

- Shows simplified privacy policy on top of other application, having in app privacy policy feature. Use of multithreading libraries makes the application very responsive and robust. [Play store Link](#)

Travvir (Android App) — *Android (Java & Kotlin), Webview, Javascript, Maps SDK, NodeJs Retrofit REST APIS, RXJava, Coroutines, gRPC*

- Converted speech-to-text using gRPC and joined the returned output with web page using Javascript interface. Attached google map to the application by getting results from APIs using retrofit client.

DIY (For Travvir) — *Android, Camera2 API, Coroutines, FFMPEG native library, Sensor manager, RXJava, Retrofit, NodeJs, Room database, JNI (NDK)*

- Used coroutines to do sequential and parallel background tasks to extract the frames using FFMPEG. Accelerometer and magnetometer was used to get the Euler angles by using Sensor Manager.
- Written the server side code using NodeJs to upload zip and extract it automatically in AWS S3 bucket.

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.

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*

JULY 2019 - MAY 2023

CGPA – 8.38 (Till 4th Semester)

TECHNICAL SKILLS

- **Languages**
C++, Java, Kotlin, Python, PHP, Javascript, MATLAB, Dart
- **Libraries and Frameworks**
NodeJs, ExpressJs, ReactJs, Tensorflow, RXJava, Flutter, OpenCV, JNI, Retrofit
- **Tools**
Git, GCP, Linux, Docker, Jenkins
- **Databases**
SQL, MongoDB, Firebase/Firestore, Room
- **Research and Planning**
Identifying Problems, Gathering Information, Developing evaluations, Calculating results

ACHIEVEMENTS

- [Codechef](#) , **Rating: 1759**, the best global **rank was 768** in 2021 april long challenge.
- **Hackercup 2021**, qualified till round 2.
- [TryHackMe](#), got 15 badges in learning different tools for red team of ethical hacking.
- **Flipkart grid 2.0 2020**, qualified till round 1 and explored lot of things in round 1.
- **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

- **Languages:** English, Hindi