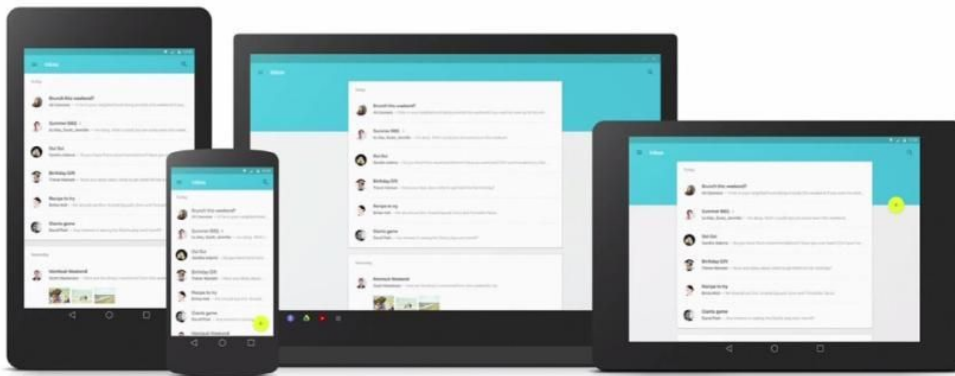# Proposal for GSoC 2017
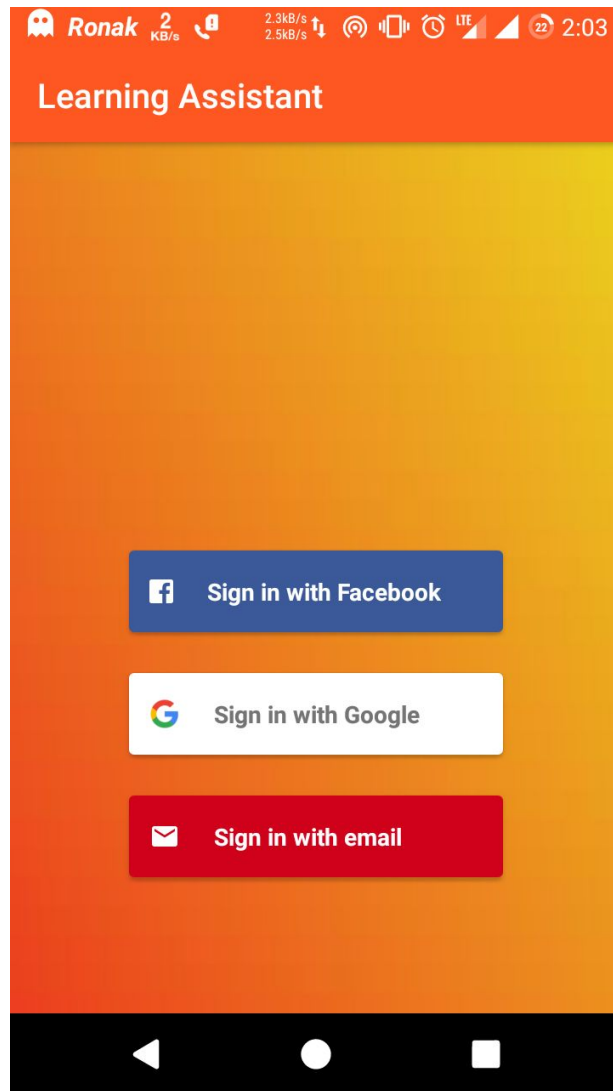
Title : Enhancements to FOSSasia Open Event Android App
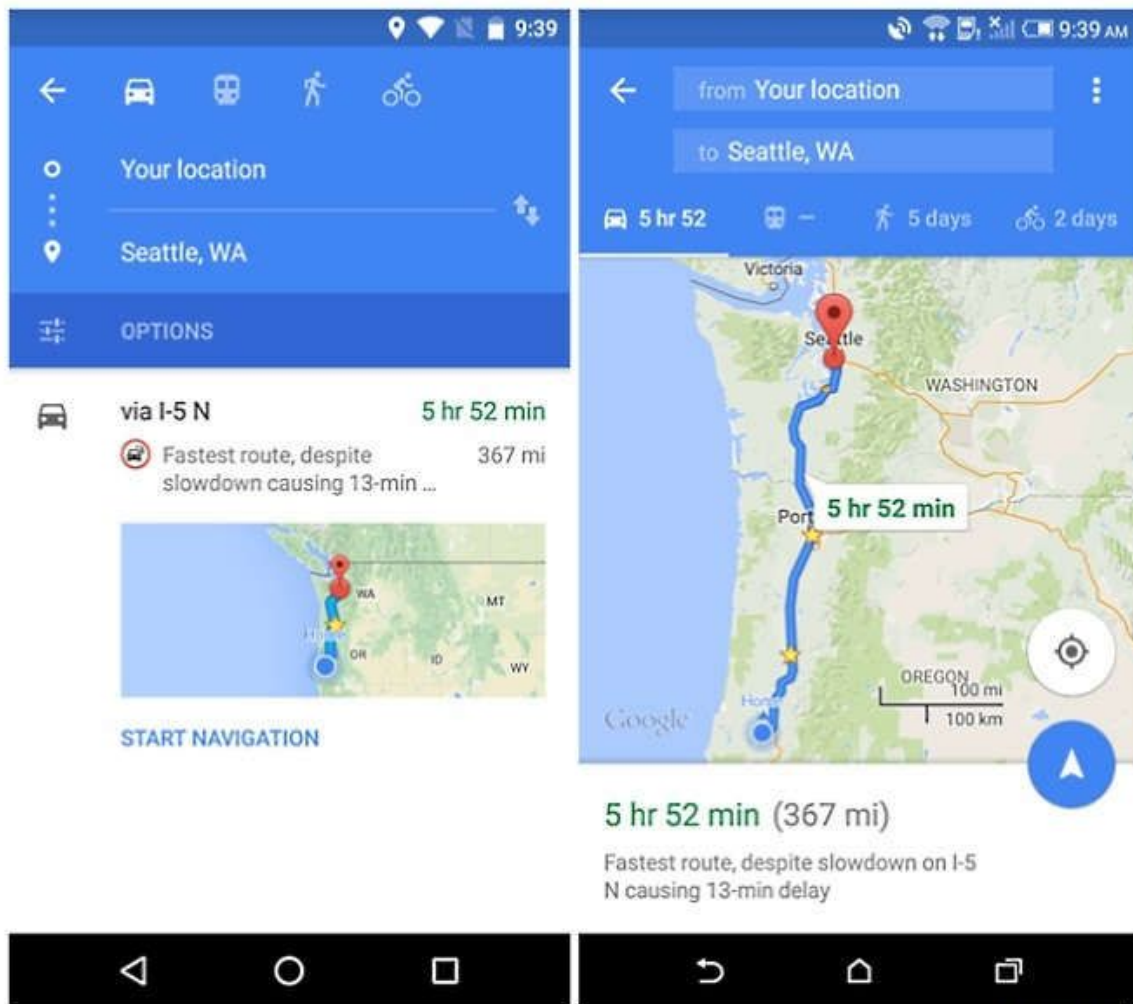
Abstract

- **UI/UX Improvement** of App – Fully Material UI following Material Guidelines specified by Google.
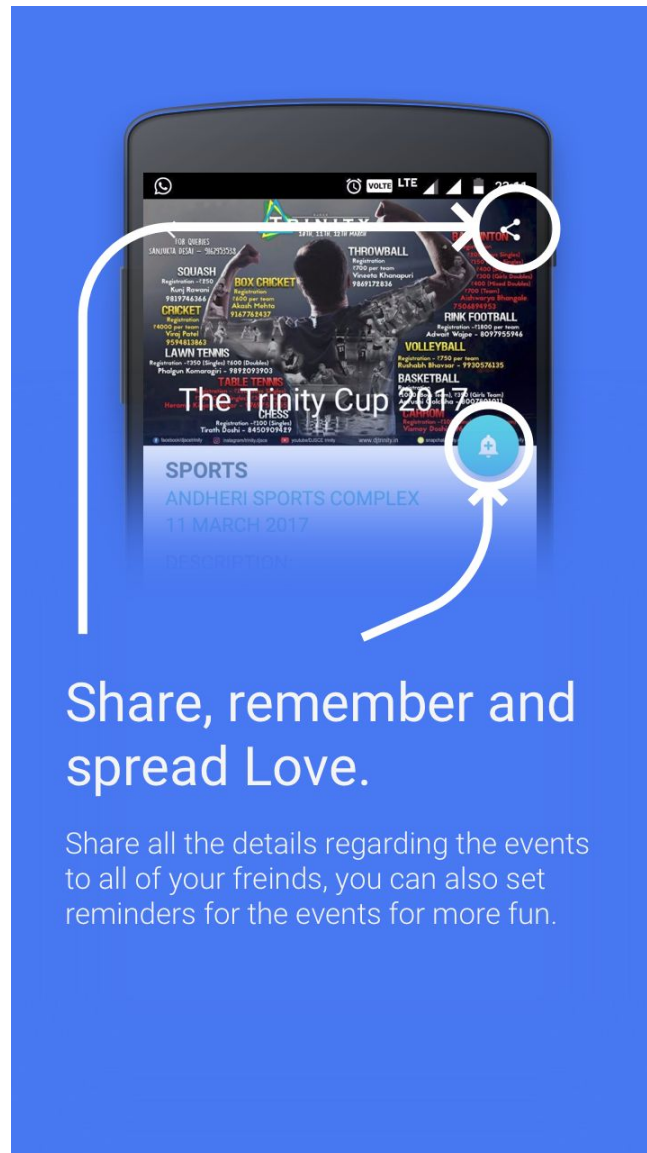

- **User Authentication** : Simple User Authentication like FirebaseUI Auth.

- **Dynamicity** : Pulling the images and real-time data from the database thus controlling the content of the app in real-time using custom APIs reducing the size of the apk file as much as possible.

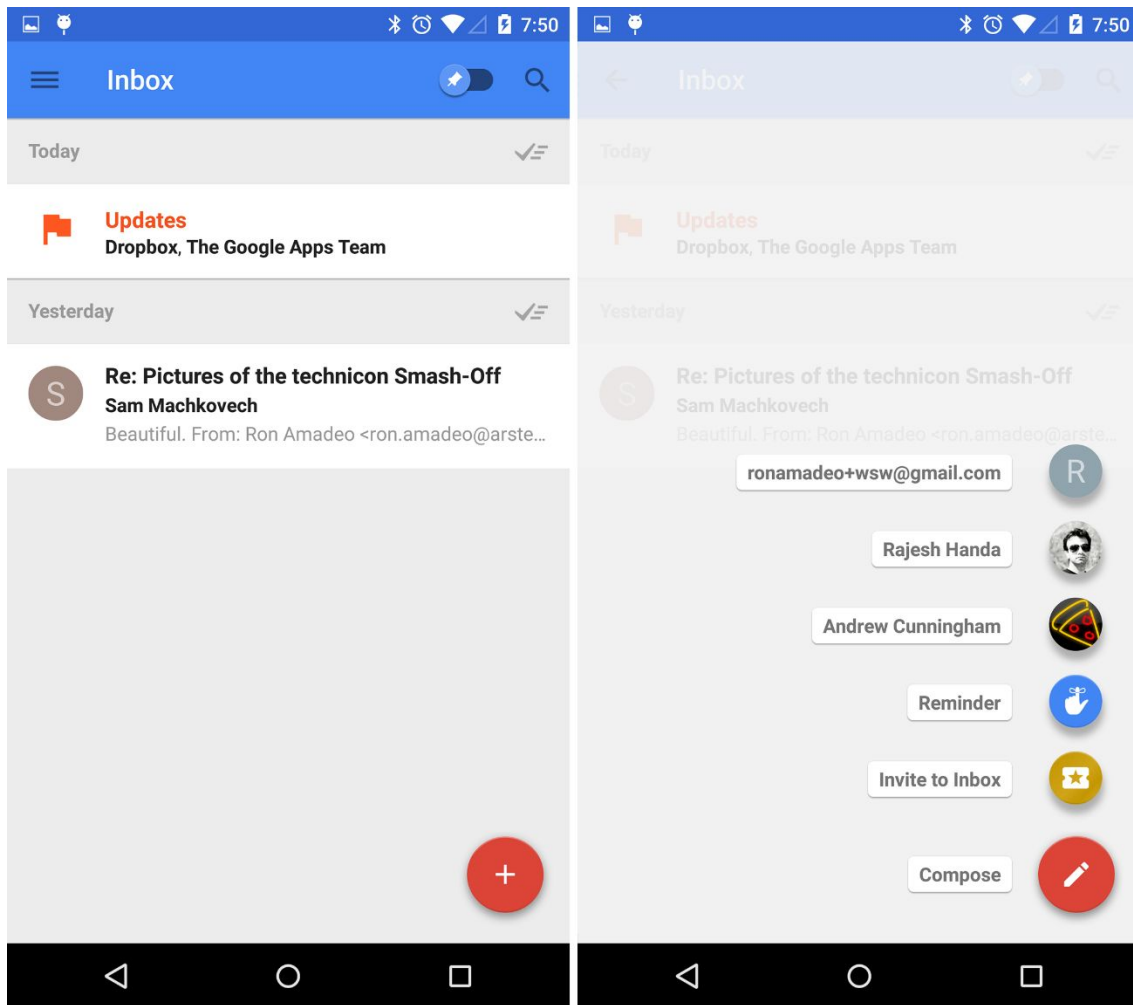- **MAP** : Improving the Map for ease in navigation using Google Maps Navigation Library. Like this :

- **Reminder** : Users can set Reminders for the Upcoming events which will be stored in their local calendar and they will be notified on the event day with the help of default alarm app.

Share, remember and spread Love.

Share all the details regarding the events to all of your freinds, you can also set reminders for the events for more fun.

- **Feedback** : After the user attends the event, a feedback activity will be initiated to get the feedback of the user about the event. Based on these, trends can be generated.

- **Floating Action Button** : Basic functionalities will be served using FAB.

- **Chat Feature** : Users can chat with the organizers of the event using a real-time chat feature. They can get their queries cleared instantly. Using Spika-Chat (an open-source chat platform : https://github.com/cloverstudio/Spika/tree/master/Android)

- **Record** : A history section in user account page will show user's past events and likes.
- **Gallery** : A photo gallery where the organizer can upload photos after their event is completed. The photos can be liked, commented, shared, etc by the users.
- **Intro Sliders** : Intro-Sliders makes the app more user-friendly! Adding introsliders to app for ease and understanding for users.
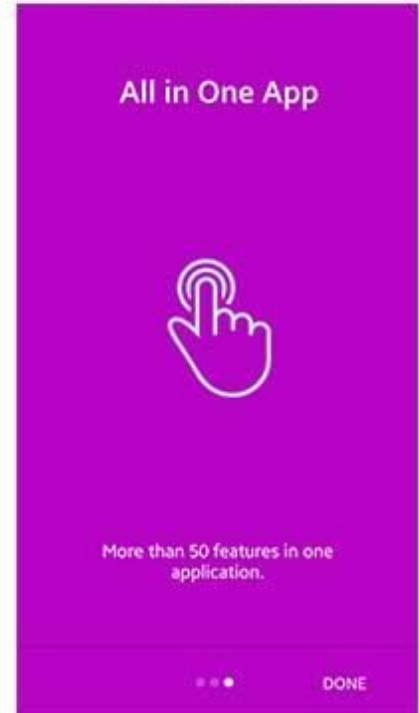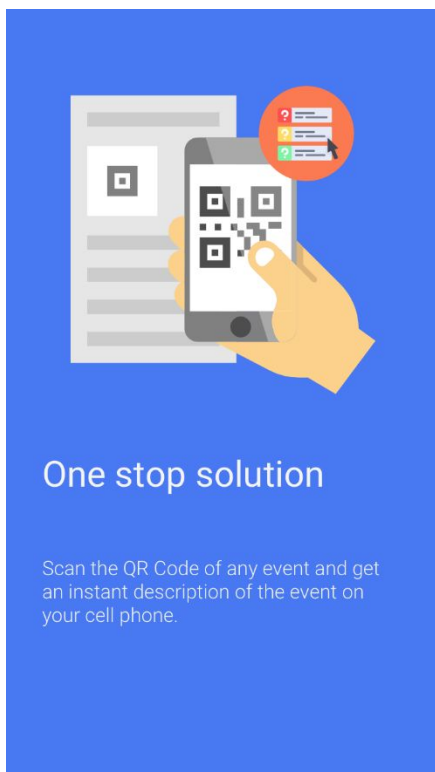
- **QR Code** :

Project description

The **Open Event** is an open source project under the umbrella of **FOSSasia**. The project offers event managers a platform to organize all kinds of events including concerts, conferences, summits and regular meetups.

The Open Event Android project consists of two components :

- **The App Generator** is a web application that is hosted on a server and generates an event Android app from a zip with JSON and binary files (examples here) or through an API.
- **Generic Android app** - the output of the app generator.

Timeline

I plan to allocate at least 40 hours per week on this project and share progress daily updates with the community.

Pre GSoC period : Community bonding and solving existing bugs in the project. Apart from discussing the implementation with the mentors, I will be brushing up on my knowledge of Android and very useful latest Android libraries that will be useful in implementing features mentioned and will also continue contributing on project.

Will work on improving and redesigning of layouts UI by adding FastScroll in recycler views, Shared Element Transitions, Night Theme/colour preference.

May 30 – June 8 : Start adding dynamicity to the app and make it less hard-coded.

June 9 – June 16 : Start working on UI/UX and Material Design.

June 17 – June 25 : Develop Custom APIs to fetch data from the database in real-time.

June 26 - June 30 : Phase 1 Evaluation

July 1– July 8 : Integrating FirebaseUI Authentication System into the app – One click Authentication using Google/Facebook/Twitter.

July 9 – July 16 : Implement Chat feature between users and organizers.

July 17 – July 23 : Implement Reminder and Push-Notification System as Described above in abstract section.

July 24 - June 28 : Phase 2 Evaluation

July 29 - August 7 : Enhanced Map with Navigation feature will be implemented in this phase. And FAB functionality will be implemented.

August 8 – August 16 : Will design and Add Intro-Sliders into the app which will be shown to the first-time users for their better understanding of the app.

August 17 - August 20 : Implement Feedback system for the events and Gallery for the past events which will contain Images for likes / comments / share.

August 21 - 29 : Final code submission and evaluation

*Along with each feature implementation at the end I will work on cleaning & optimizing code, preparing documentation and make it more readable for other contributors.

Why did I choose Open Event?

Open event offers event managers a platform to organize all kinds of events including concerts, conferences, summits and regular meetups. This can be standard platform for organizers to organize events.

The open-event project repo is also well maintained for new contributors to go through code easily.

I didn't choose Open event just to work on something I care about, but also to hone my skills as an android developer. Building features mentioned above will test and recall all of what I have learnt about android development so far. It'll be fun.

Why should you choose me?

I will prove to be a suitable candidate as I possess the required expertise with the technologies involved, and have listed my implementation idea clearly. I have been working on the project idea for the last few weeks.
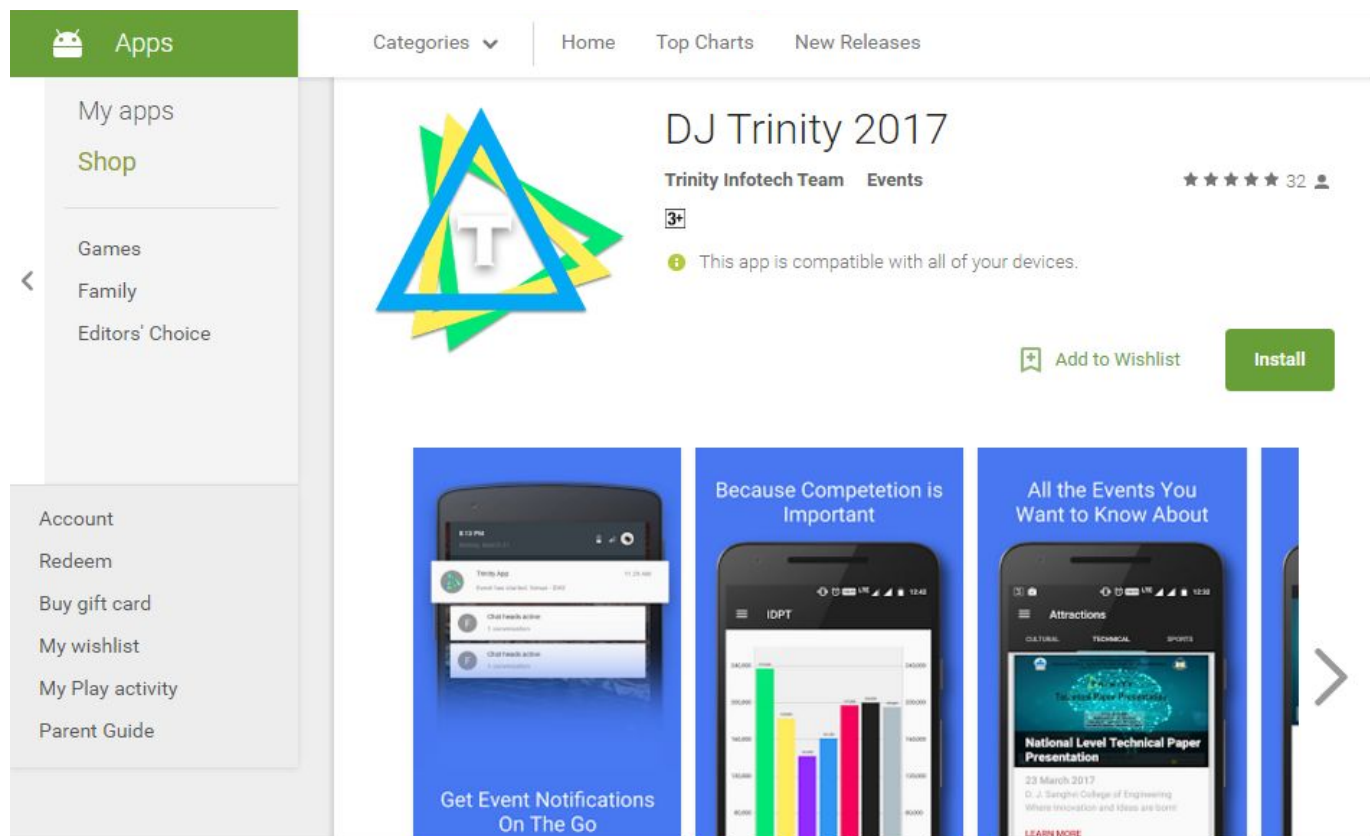
I possess a good knowledge of java, android and git. I have made a similar project which is an Android application for our college Fest. It has almost all the functionalities as in Open-Event-Android. Please have a look on my project :

https://github.com/Ronak-59/Trinity-App

It's published on Play Store :
https://play.google.com/store/apps/details?id=in.djtrinity.www.newapp&hl=en

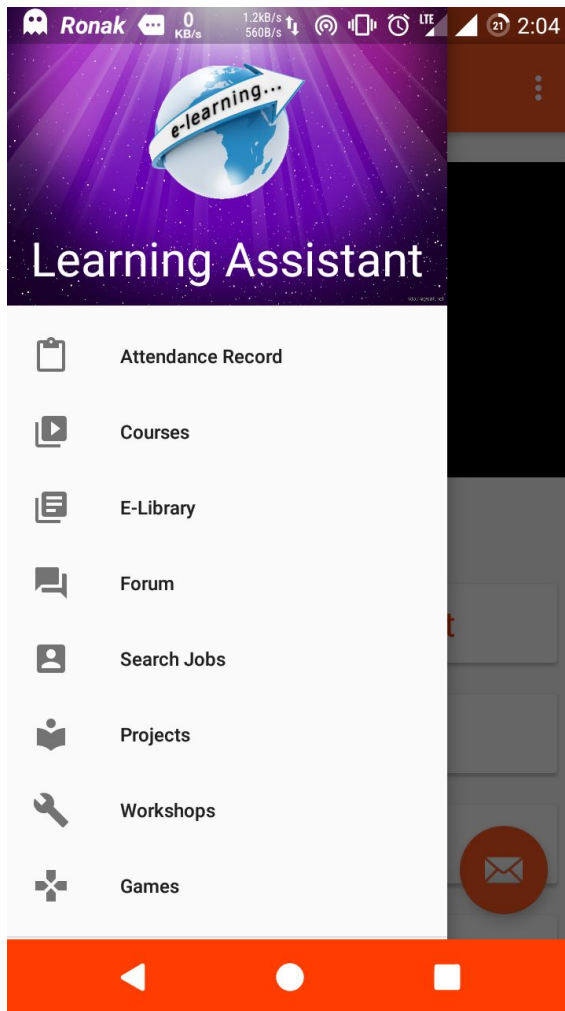https://github.com/Ronak-59/Learning_Assistant

I have taught myself most of Computer Science, Programming fundamentals and Android development .

The experience has made me a strong autodidact and that will prove to be useful during my work in GSoC. I would like to contribute more and more.

After GSoC i will continue contributing. Currently i am part of Google Developers Group - Mumbai and i would also like to be mentor in future for FOSSasia projects.

Personal Information

- **Ronak Doshi**
- Mail : ronak01doshi@gmail.com
- GitHub Handle : Ronak-59
- Contact No : +91 8655384740
- Studying : B.E. Computer Engineering (2nd year) at D. J. Sanghvi College, Mumbai
- Time Zone : Indian Standard Time (GMT +5:30)
- Skill Set : **C, C++, Java,** Python, **HTML5, CSS3, JavaScript, BootStrap, Android**, **XML**, **WordPress**, PHP, Django, **Firebase**, **Cordova**, SEO, **Git.**
- **Open Source Projects by me :**
1) College Fest App similar to Open-Event-android (https://github.com/Ronak-59/Trinity-App)
2) Learning Assistant : (https://github.com/Ronak-59/Learning_Assistant)

3) Habitat - Live Evergreen : (http://www.habitat.comuf.com)
    A web portal for entertainment of elderly people which includes Newspapers, Music, Games, Health Tips ,etc.

4) My Doctor - My Patient : (https://github.com/Ronak-59/MyDoctor)
    An android app (for patients)+ website (for doctors) to stay in touch. Features include : Chat, Health records, medicinal prescription and medicine-reminder, emergency button, etc.