Hi, I am Samsruti Dash

‘ Android Developer + UX Designer +
Security Researcher ’

About me

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★ I am a senior (final year) currently pursuing my Bachelor's degree in Electronics and Electrical Engineering at KIIT University, Bhubaneswar, graduating in 2019 Summer.

★ A self-taught Security Researcher with 1-year experience and an Android Developer with 2 years of experiences in startup environment.

★ I always love to write automated scripts which make my work easier and help others to make their work faster and easier.

★ Skilled in Java, Kotlin, Python, Information Security, Web Pentesting, Android Development, Information technology.

Skills

LANGUAGES:

Java; Kotlin; SQL; JavaScript; Python

TECHNOLOGIES:

Git, Android SDK, Google Cloud, Firebase, TensorFlow,
UX Design, Automation Testing, OWASP Pentesting, Deep Learning

Tools:

Android Studio; Adobe XD; PyCharm, IntelliJ IDEA

Android UX Portfolio Samples

1. TalentStar

★ TalentStar is a media talent hunt app which connects the media companies with talents.

★ It's a platform where media companies post jobs. Be it for lead roles, supporting talent, extra, featured extras for film production, drama serials, TV commercials, print media, online videos, music videos and photo shoots.

Play Store Link:

https://play.google.com/store/apps/details?id=my.com.pari.thetalentstar
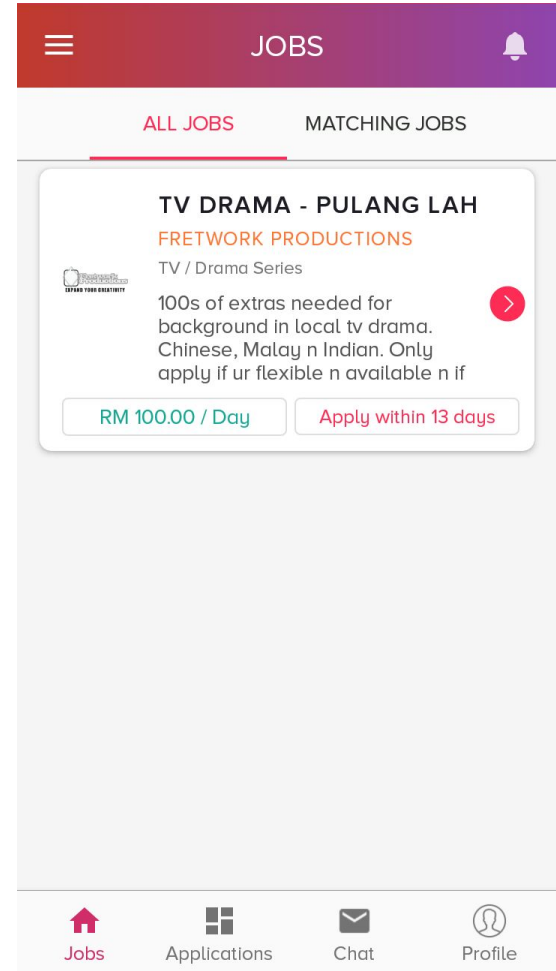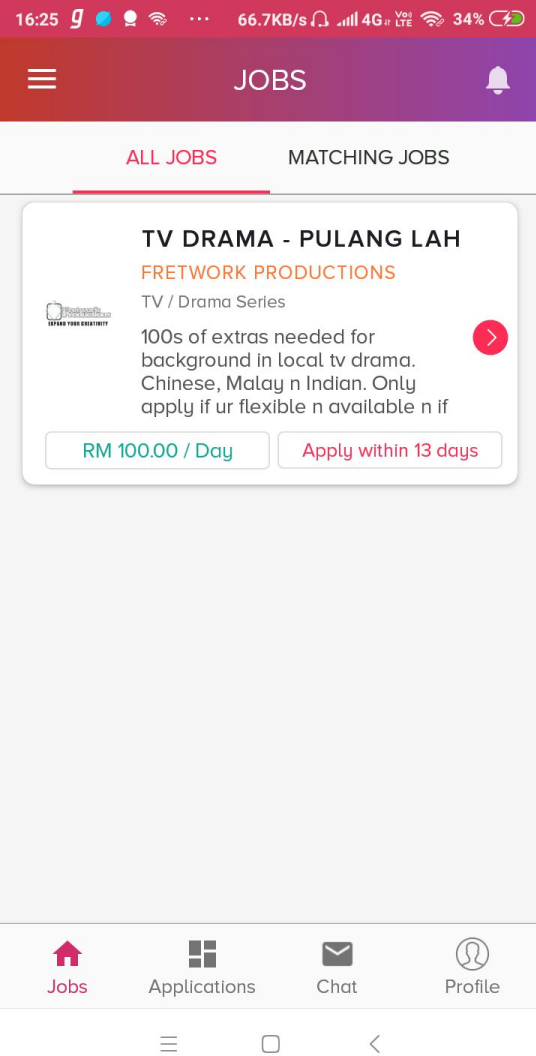
TalentStar

Upgraded to AndroidX and Material Design Rules were followed completely.

App Architecture - Model - View - Presenter **(MVP)** helped a lot to design this dynamic application. Fragments are always helpful for viewing on different screens.

All Jobs section:
Cards are used in RecyclerView Adapter. Data is very specific to display. So at a single instance, a job seeker always looks for at least four basic things: Employer Company Name, Salary, Deadline and few lines of Description.

Bottom Navigation:
It's easy to navigate the main features of the application using bottom navigation. And Navigation Drawer is used to include more features so that the accessibility of the features would be easy for the users.
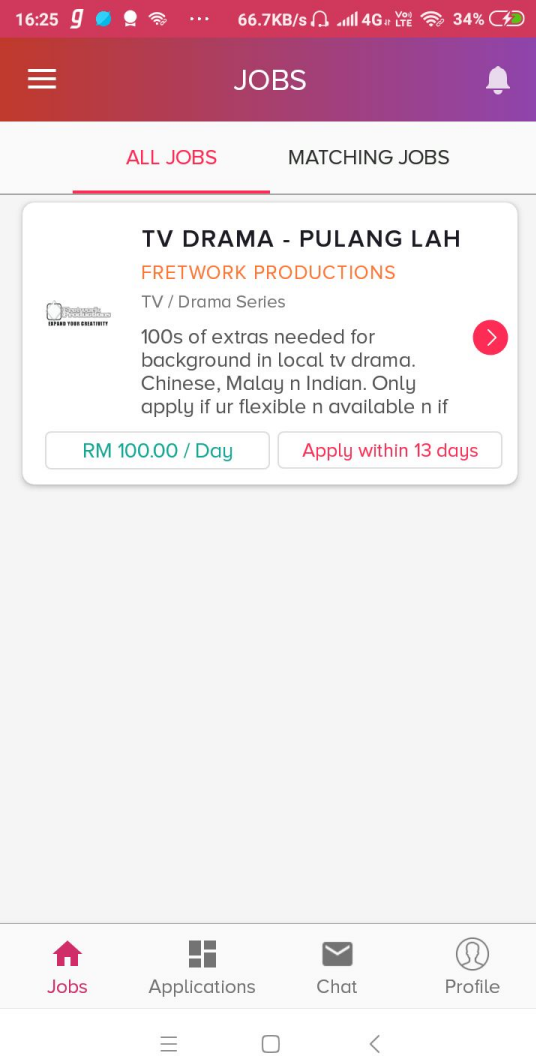
TalentStar (Contd.)

LiveData and DataBinding has been used so as to make an efficient UI and the user can be notified if any live changes with database has been done or not.

Animations and Transitions has been added to multiple areas like the All Jobs RecyclerView Adapter.

Notification is done using Firebase Cloud Messaging (Custom Notification Manager)

Preferences (Settings) Screen is included under the Account Setting (located in the Navigation Drawer)

Chat is done using Firebase Cloud Messaging.

Notification + Chat Counter is there. If there is a new notification, the counter of notification changes to 1 and display in the toolbar itself.
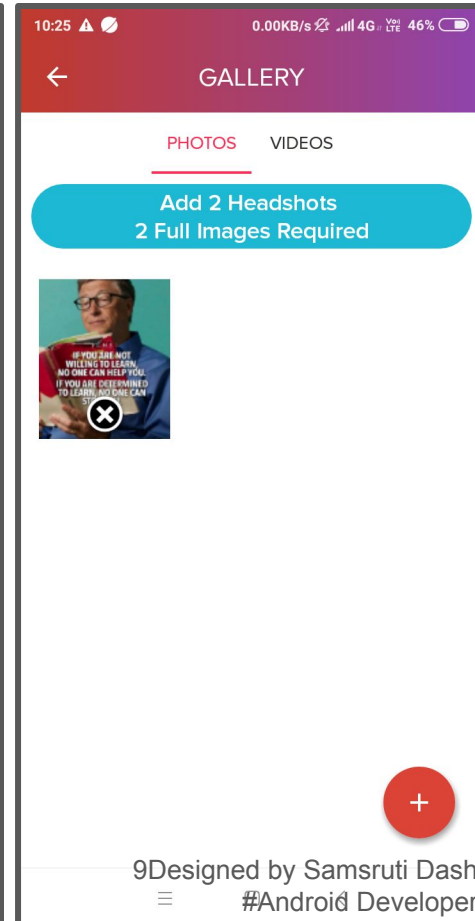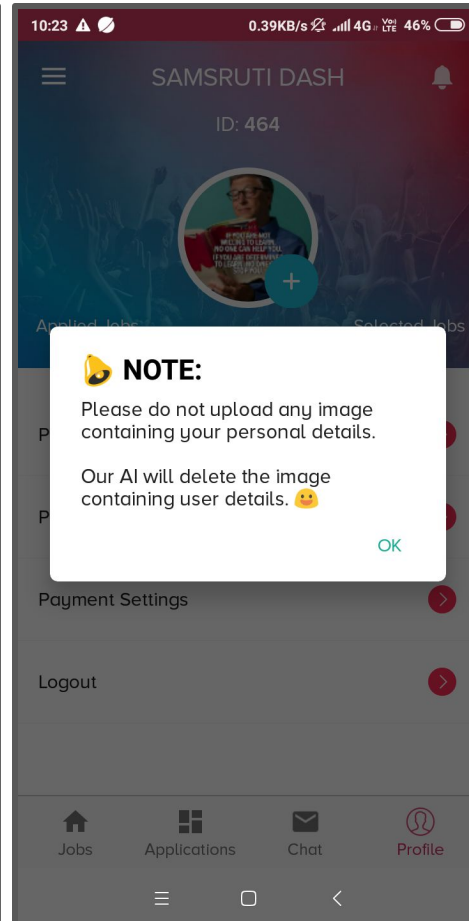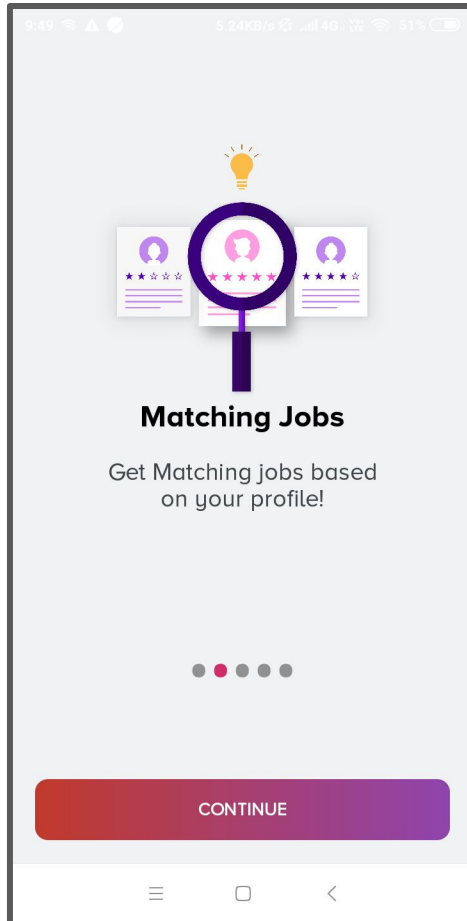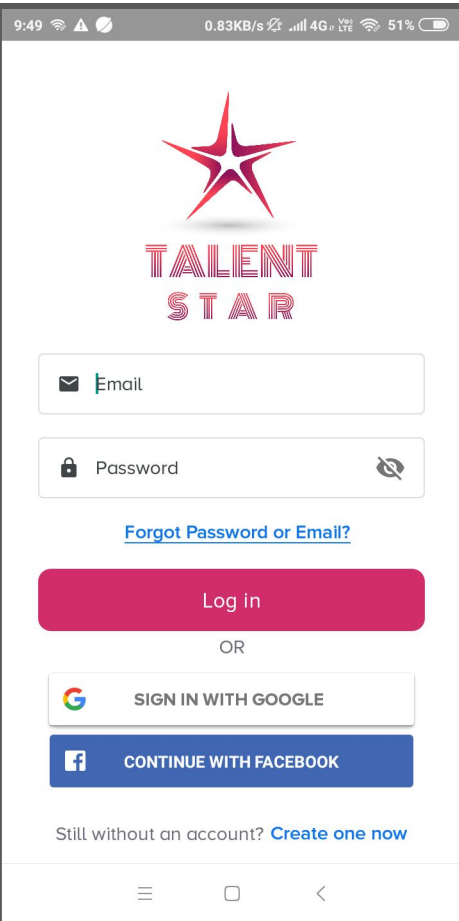
TalentStar (Contd.)
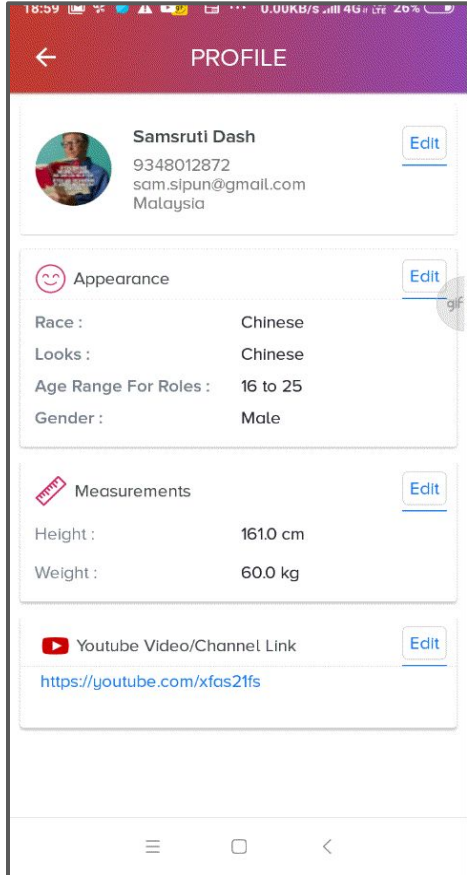
Dividing the profile details into different sections so that the data can be in an organized manner and user will not get complicated using the screen.
Fonts and Graphics always makes an amazing UI.

Adding Nested ScrollView, toast and other popup (as fragments) are used to display the specific information required for the feature. Button Text is dynamic, if not applied then "APPLY" else Applied/Selected/Rejected with respective background colors.
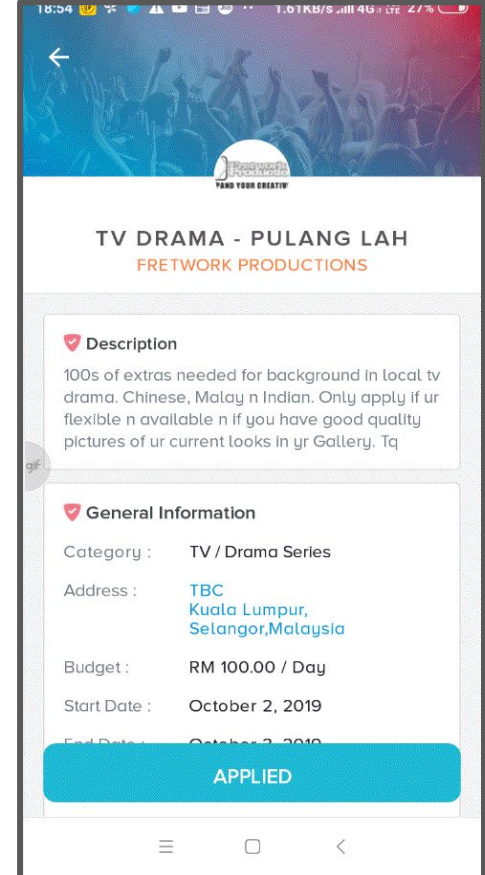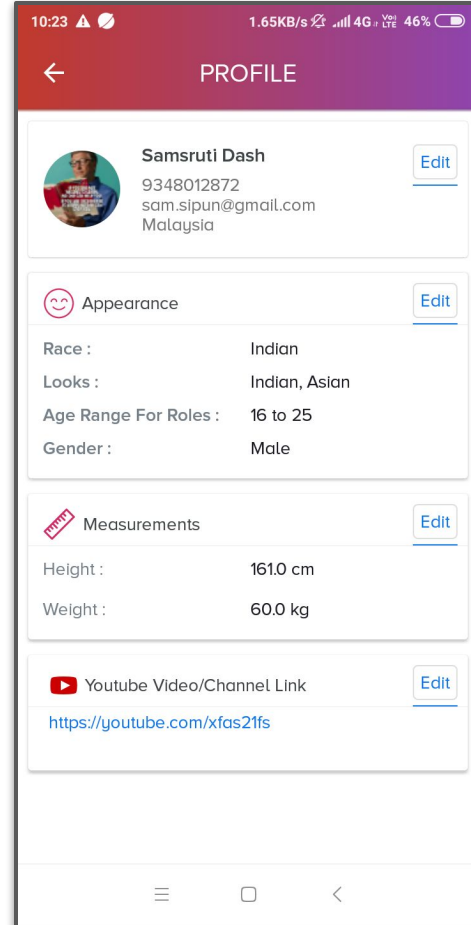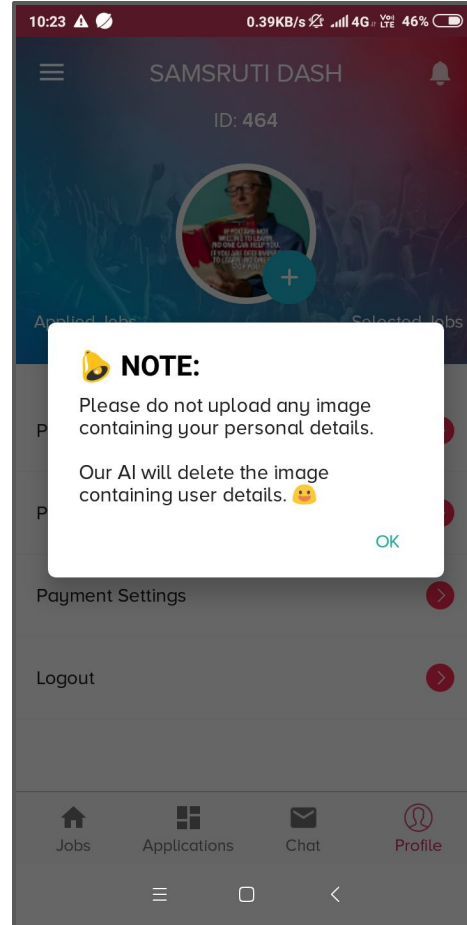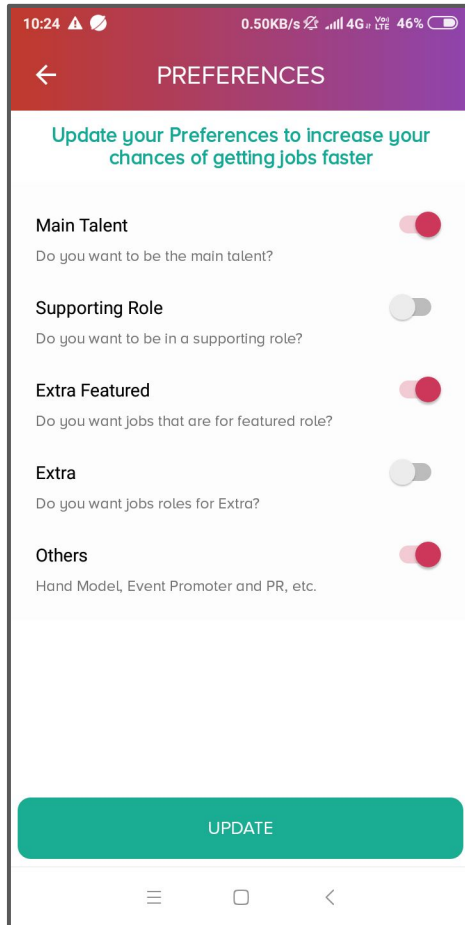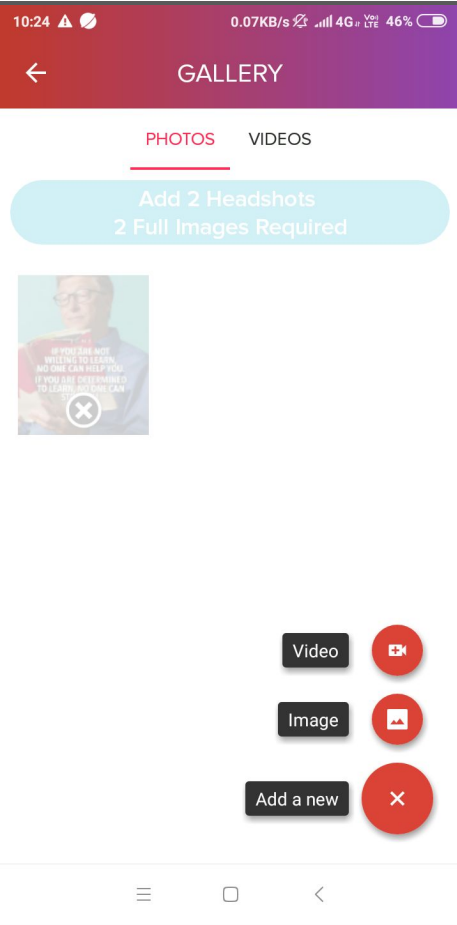
TalentStar (Contd.) : Few Screens

TalentStar (Contd.) : Few Screens

2. E-Med Insurance

E-Medical Card

An informative, intuitive and dynamic mobile app for medical insurance.

Claims

Be informed during the claim process from initiation till acceptance.

Guarantee letter

Store the letters in the mobile app and be paperless

View Dependents E- Medical Cards

Access to the medical insurance of the dependents.
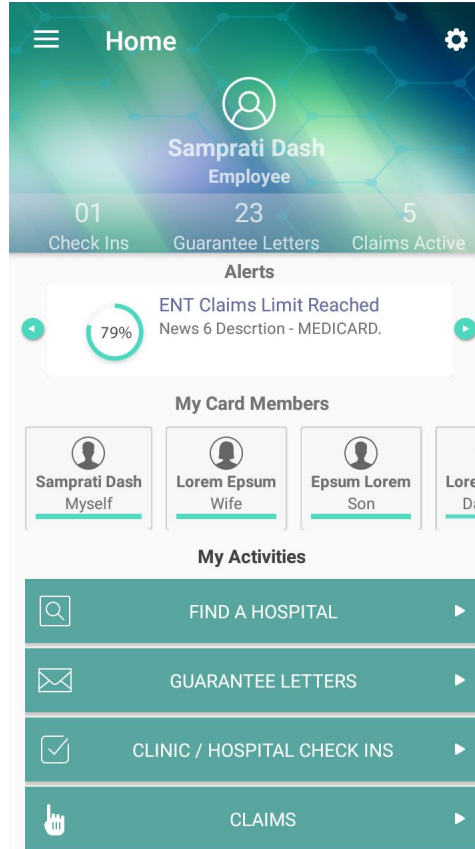
Find Panel Hospitals

Locate the panel hospitals according to the location.

Announcements

Make any major announcements to customers.

Coverage

Get the current status of your coverage with detail information.

Activities & Check -Ins

A history of all the activities and check ins at one place.
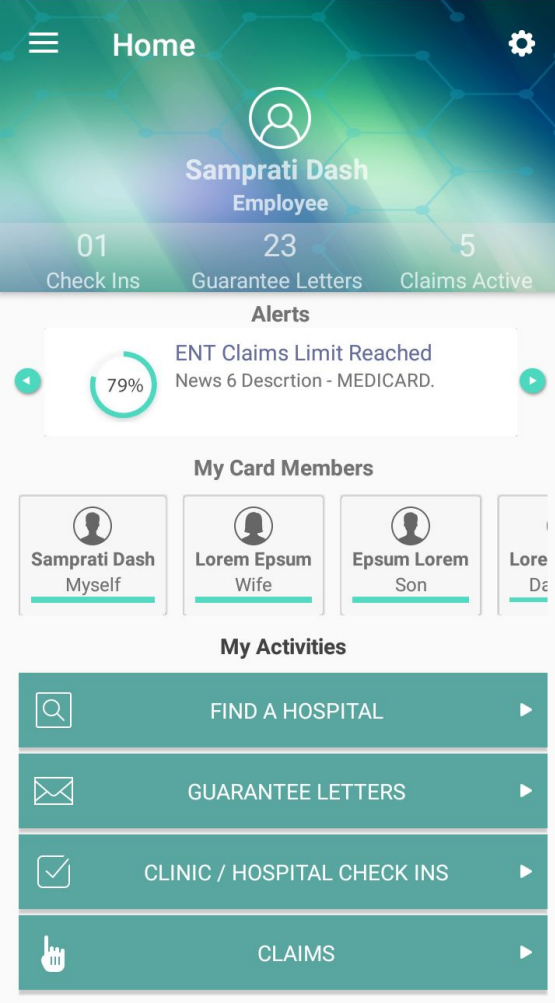
E-Med (Dashboard)

Upgraded to AndroidX.
Material Design Principles are followed.
Used RecyclerView instead of ListView.
App Architecture: Model - View - Presenter (MVP) based.

My Card Members Section
CardView Used with Horizontal ScrollView.

Alerts Section
Specific Data are available in the card. Buttons are useful to navigate always.

Designed by Samsruti Dash
#Android Developer

3. PubgDangal
(Under Development)
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★ **Play:** List out all the active custom room PUBG Matches. With One Click Join the Game.

★ **Watch:** Users can watch/spectate current matches or can watch previous matches.

★ **Profile:** Users can modify the profile so as to get specific preference on listing out the matches lists.

★ **More:** Account Settings (Notification/ Sound/ Preference, Currency, Wallet Issues, etc)
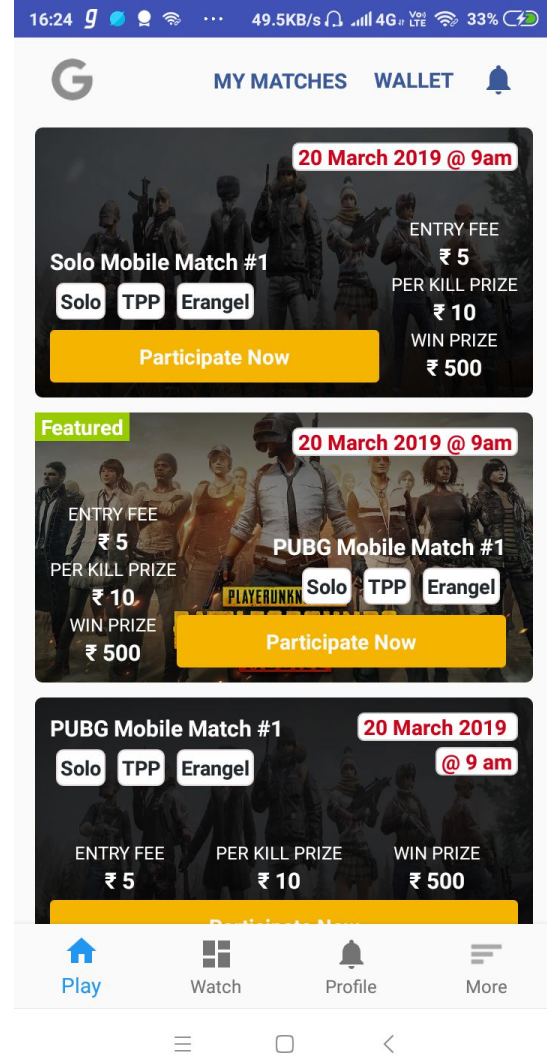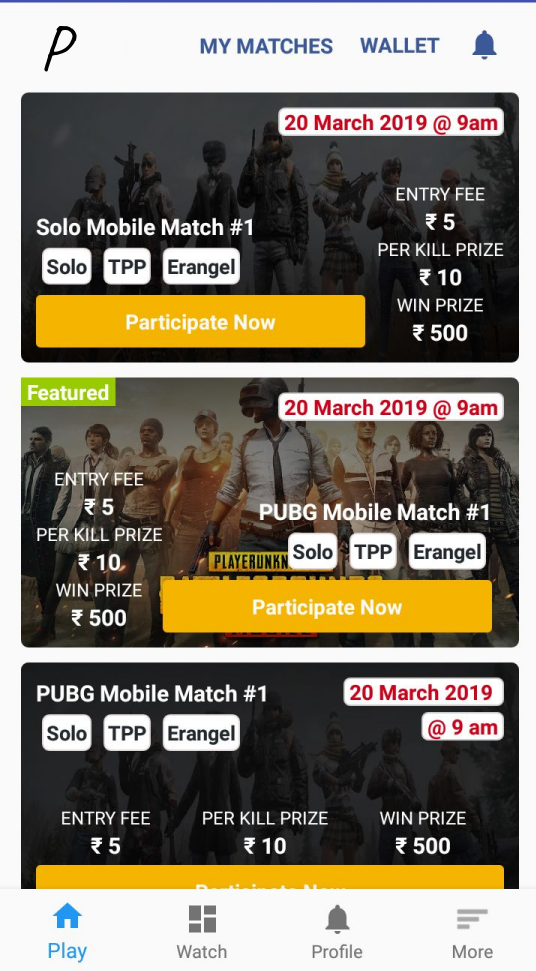
PubgDangal (Dashboard)

Upgraded to AndroidX. *Under Construction.*
App Architecture - Model - View - Presenter (MVP)

Dashboard with Bottom Navigation so that the player can understand exactly what to do with what function.

The Toolbar is specific with limited functions like wallet and notifications so that user can use those functions in a limited page.

3 Cards with Different layout. Usability test for this UX was undergoing. Match Data is arranged in a very appropriate manner so that the user can understand the match details in one quick view.

PubgDangal (Contd.)

➔ Data is represented in such a way that the details can be understood by the user. Like time to start the match should be visible properly along with the match name.

➔ Tab View uses fragment so that json load can be efficient. Match details are very specific and in an oriented manner. Cards are always efficient for good UI.

➔ CoordinatorLayout uses to make the layout fit for different screens.

➔ Corner Radius of any element improves the UI. Sharing button is needed so that the user can share the content with friends/family/acquaintances so that they can join the game.
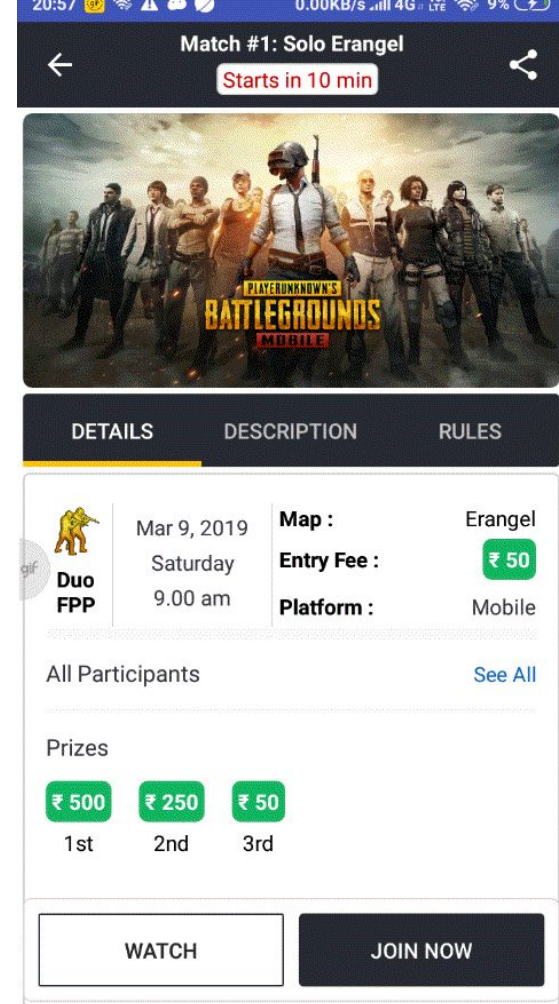
PubgDangal (Contd)
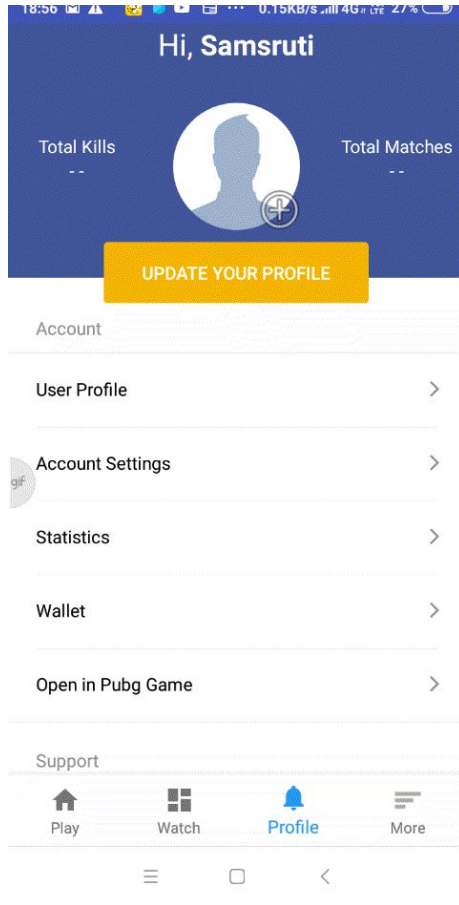
Profile page always makes a hit if the user can really understand like different sections (Accounts, Support, About and many more). Logout button is to be added at the bottom. Version name is must so that user can understand if he/she is not using a old update.

Chips are always best for few specific conditions like choosing options or taking actions. Each card if click is redirected to Youtube App. Play button icon helps us to understand that this content is related to a video playing.
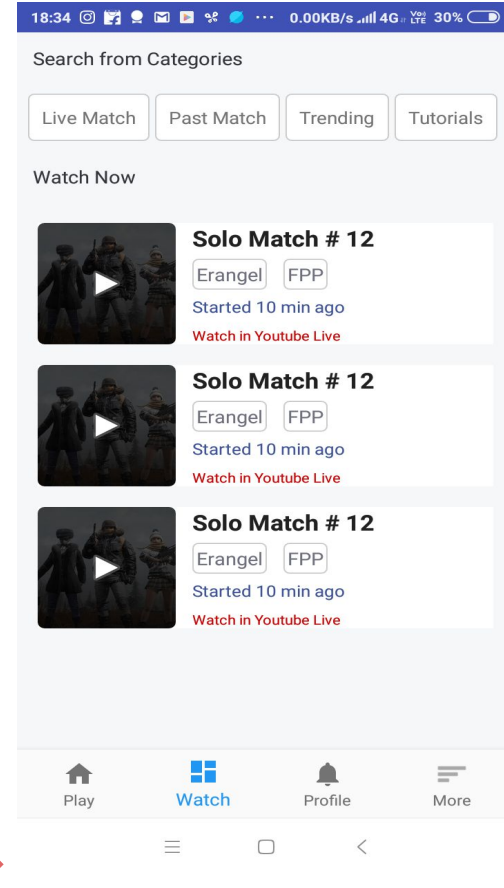
Hospice

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★ An application which would serve as a fitness and online assistance for patients and would save users every data to cloud so that users can sync their files to any device from cloud.
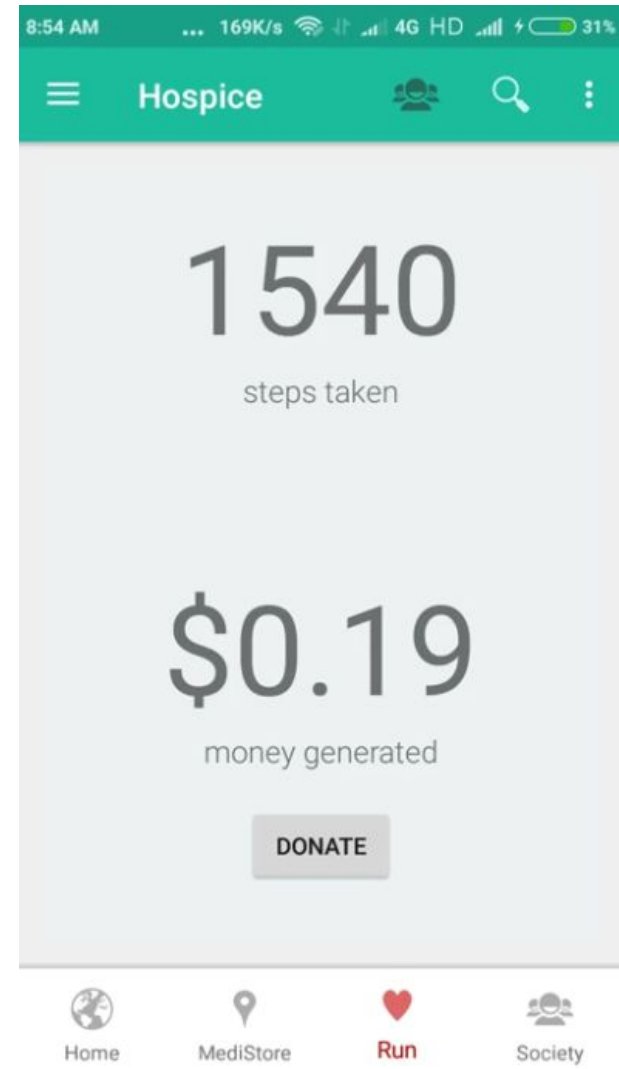
★ The technologies We Used:
Android Studio , Firebase, Realm,
Google Fit API, Google Maps API

Presentation Link:
https://docs.google.com/presentation/d/1P_py9tlu1wUD6Un8413VSvnTlzAkMMhJ_xWNYDhkJck/edit?usp=sharing

Experience

Software Developer

PARI TECHNOLOGIES, Malaysia

April 2017 - Present

Board of Directors

KIIT Entrepreneurship Cell, Bhubaneswar

April 2016 – April 2019

Security Engineer + Analyst

0ff-7h3-6r1d , Remote

April 2017 – Present

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★ **Google Code-In 2014**
Grand Prize Winner (International)

★ **Udacity** Nanodegree Android Basics
Scholarship

★ **Udacity** Android Basics by Google
Nanodegree

★ The Complete Ethical Hacking Course:
Beginner to Advanced | **Udemy**

★ Python for Security Professionals |
cybrary.it

Awards + Certifications

Fun Experiments and Projects

Real Life Problems + Solutions

Dear Diary

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Problem:

It's hard to a maintain journal and if I forgot my journal somewhere, then it's a dead end for me.

Privacy always matters in maintaining a journal.

It's hard to carry journal every time.

Busy life with no time to maintain a diary.

Solution:

So, I decided to develop a chatbot which can maintain a journal in Google Assistant.

If you find something amazing and you might forget, store that memory in Dear Diary.

You can set a password to access your journal. You can get a new friend who will be with you always.

Tested with 7 Use cases and multiple conditions for the reply.

Link:
https://assistant.google.com/services/a/uid/000000bd91d0177b?hl=en-US

Python USB Tracker

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Problem:

Last year, I lost 2 USB Devices in an event and noticed my colleagues were using those devices a few weeks later . I could not figure out with solid proof and evidence.

I asked other people whether they are experiencing the same situation or not.

Problem was common.

Solution:

So, I decided to develop a software which can keep a track of my USB Device.

It is called Python USB Tracker that can capture the thief's image and then sends system details to the owner's email.

I also focused on avoiding the Reverse Engineering the .exe file by using the obfuscated code.

I also included a feature that can encrypt, decrypt and auto deletes a file if the wrong password is input more than 3 times.

E-Certificate Generator

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Problem:

On the last of the event, during certificate distribution time, our college authority asked to create a digital certificate for all the participants.

It was impossible to type 1000 participants name in 30 minutes on photoshop image of the certificate.

Solution:

I decided to write a python script to insert text and QR code on an image.

This is basically developed for E-Certificates.

No need to write a lot of names in thousands of certificate. Just need to place the name above the certificate using pixel modifications.

Project Link:
https://github.com/samsruti/E-Certificate-Text-QR-Code-placer

CONTACT

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Samsruti Dash

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GitHub: github.com/samsruti

Resume:

http://samsruti.github.io/resume.pdf