Please make a copy of this document and include this in your GitHub repository for your submission, using the tag #AndroidDevChallenge

Idea:- AR3000

Our model is to use the Google machine learning library to detect hand gestures and improvise the customer experience, especially for deaf customers. We will use TensorFlow to recognize the image and reduce the on device size and then use the graphical projection technique to analyze the image. Since it is not necessary to test the DNA of a person so it is best to use the Tensorflow library to analyze the image and observe the best results.

Timeline and future endeavors:

We are developing the source code currently and working on it. This is a proposal for our big project. And we are currently just representing our proposal:
We require **Google's help** using our model with Android wear and testing them as it is much essential.
As Google is taking help as given here, we would also be glad to take their help. **Source Code link**
We are going to use the Tensor Flow and Semi-supervised graph learning framework. Currently, these are the tools that we are going to use for our initial prototype demonstration after which we will work upon bringing it to live in the devices.

Time [Max Deadline:]	**Tasks to be accomplished**
O(*5th December 2019- 9th January*)	Source code for hand recognition model, documentation and improvement of code quality
O(*10th January - 13th February*)	Training the model and gesture prediction model and sentiment analysis.
O(*15th February - 19th March*)	Using the **bit vector method** to group similar hand gestures and then generate the messages to send the other side.Use of **LSH** involved.
O(*20th March - 14th April*)	Using the **semi-supervised graph learning** and train the model with appropriate datasets
O(*15th April- 30th April*)	Continuing with testing the entire model and using feedback mechanisms to enhance it.

About me

A small question with a deep answer. I am someone who wants to bring a change before becoming history. I have never got good grades in my college because of my silly handwriting. Well, I was not allowed to sit for internship tests on campus many times. I faced many challenges and accepted them with a smiling face. I completed my GSOC project this year and worked upon various open-source repos like Chromium, Twitter OSS, Android projects, Jboss, Kubernetes but still, I didn't work for any recognition from even my parents. My only wish is to do something big and at least bring a smile into the faces of some people before taking complete rest. My cousin is deaf and she faces a lot of issues in her day to day life. I want to gift her this small project so that at least someone can feel proud of me. I, not just a developer as I have completed a few management courses and aim to become a CEO handling a good project impacting many lives or at least a volunteer for such a project world makes me happy.

My previous contributions:-

Some of my PRs which have been merged successfully has been listed upon here

- I have developed many Android applications for start-up companies. I made some cool projects too like an application for my GF's birthday reminding her of the past memories we had together.
- I always enjoy learning new technologies like Quarkus and using Kafka messaging and also have built a project using GCP Kubernetes service.
- I have worked under our professor too developing ML models and some other small projects like POS tagging and using LDA methods for current Trend analysis and still going beyond with Sentiment Analysis.
- Well, I always plan out my tasks and then try to complete them much before the estimated time.