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

**Tell us what your idea is.**

*Describe in 250 words what the feature or service will do and how you’ll use Machine Learning to push the bar:*

**App name – Safety+ (SafetyPlus)**

Safety+ will be an app using which women around the world can send a SOS to the close ones as well as nearest police agency.

This app will have features such as-

* Sending user’s message and location to the receiver.
* Use of voice commands using machine learning to set up code words, activate app and send personalize. message, start camera recording and save this to cloud and share with selected receiver.
* Set off an alarm at user’s will to indicate danger and many more.

**Tell us how you plan on bringing it to life.**

*Describe where your project is, how you could use Google’s help in the endeavor, and how you plan on using On-Device ML technology to bring the concept to life. The best submissions have a great idea combined with a concrete path of where you plan on going, which should include:*

* *(1) any potential sample code you’ve already written,*
* *(2) a list of the ways you could use Google’s help,*
* *(3) as well as the timeline on how you plan on bringing it to life by May 1, 2020.*

**Github link** - <https://github.com/komalagrawal26/safetyplus/>

I haven’t written any code for this app yet, but I have complete timelines with me about how I am going to complete the project with the help of Google.

**Approximate plan is as below** –

* This app will consist of 5-6 main screens such as Login, Home, Details of the User, Setting up SOS messages, Adding code words, Setting up preferences etc.
* 1 week for requirement gathering and refinement.
* 2 weeks for UI/UX design.
* 4-5 weeks for backend code and complete app functionality.
* 2 weeks for server and background calls setup to save all the user data on the cloud.
* 2 weeks for testing and fixing bugs.
* 1 week for any pending/additional functionality.

**I will be glad if Google can help me below sections -**

* How to use machine learning APIs to setup voice commands.
* Activate this app using a voice command.
* Ask few basic questions to the user regarding the situation they are in.

There will few more features in the app which we will add on the fly.

**Tell us about you.**

A great idea is just one part of the equation; we also want to learn a bit more about you. Share with us some of your other projects so we can get an idea of how we can assist you with your project.

**About me** –

* I am an android developer, passionate about developing and learning android.
* I also have basic knowledge regarding Python, JavaScript, Java, SQL etc.
* Currently I am studying at UCSC silicon valley extension, Santa Clara, CA, USA.
* Have started learning Kotlin development and studying for the Kotlin certificate exam.
* Having 5 years of industry experience in developing android code in finance domain in India and UK.
* I used to work for UK’s one of the most famous banks and helped them develop their most widely used android app.

Please check below link for the android app I have worked on.

<https://play.google.com/store/apps/details?id=com.barclays.apps.pingit&hl=en_GB>

**Next steps.**

* Be sure to include this cover letter in your GitHub repository
* Your GitHub repository should be tagged #AndroidDevChallenge
* Don’t forget to include other items in your GitHub repository to help us evaluate your submission; you can include prior projects you've worked on, sample code you've already built for this project, or anything else you think could be helpful in evaluating your concept and your ability to build it
* [**The final step is to fill out this form to officially submit your proposal.**](https://docs.google.com/forms/d/e/1FAIpQLSe43koQL33IzgxXQl29Ex3AhFuqd4hQzxLiXREqwRkDGtx1vA/viewform?usp=sf_link)