**\*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.**

An application in which I already record some sounds like when someone knocks on the door, when a car honks or when a microwave rings.

and all these are already integrated in the app, and the application constantly analyzes them are around us and as soon as it recognizes a sound, it makes the phone vibrate and informs the hearing impaired or deaf of what is happening around it squarely and thus it helps to fight against many of the problems that these people often encounter

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

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

the project is still at the conceptual level but we will need to train our models to recognize different sounds of everyday life and analyze them and see their relevance...

the solution I see it as a kit like Alexa or Google Home directly connected to the person's phone. the problem is that I don't have the kit yet personally but at the model level I manage to train the models with simple sounds.

Google's support will be to allow me to have access to the kit and to be able to program it so that it communicates with the mobile application easily

*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.*

**Tell us about you.**

my name is Jean Luc KABULU from Lubumbashi in the DRC, I am a software engineer and I am Developer Student Club Lead in my university.

I have worked on several mainly with Flutter, Django & Firebase

I am still a student and I started learning machine learning not long ago

and I speak French and English it's a little difficult for me

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.

**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)