



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 App to help for sightless person to see the objects inside a Home, room or even on any place.

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

An App will help to sightless persons see the world easily and will help to save themselves from harmful Objects.

This is a big Idea and a beautiful gift of technology to sightless persons. I don't know I can this or not without help or with the help. And I don't know this Idea can be select or not but this will be really helpful for those who always depends on family members or other persons.

Problem – Sightless people always dependent on family members and even a stick whole helps them to go out and even inside a house to move every time or even they don't know the persons without voice.

Idea/Solution – An App which can be run in Mobile Device(Android), will take video from device camera (or Glasses camera) and in real time It will observe the objects and speaks to person who is using this.

I am assuming a sightless person is Teena.

There are some features like...

- ✓ Suppose Teena is entering into a house/building/place, then App will help to describe everything during walk like there is a table on distance 2 meters from her and 1 meter right there are stairs.
- ✓ Teena can see scene and understand very well. During moving outside, she can save to fell into a manhole.
- ✓ Teena can easily cross the road when Green light.
- ✓ So There are lots of features like above.

I hope you understand the concept.

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.

Concept App

Machine learning will help to make it possible.

And Initially app will read the objects and their distance from each other and from device(installed).

After that we can work on object's state changes.

Then person identification etc.

App will shoot the video and sent to server for processing then user can listen the identified objects and distance and move accordingly.

I haven't planned the timeline, because I need help that how much ML part will take time to make possible or we need extra sensors or not.

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.

Myself Hemant Kumar and as professionally I have work with some small organizations and developed some. I am in more than 6 years in Android apps development and I am trying to upgrade my skills in this field.

Next steps.

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- 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.](#)