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:

AndroMed

Andriod app which will take snap of tablets/pills sheet and tell what disease or problem it is meant for.

In Detail - Many times elder people or even others in general who has a lot of medicines to take or to give for thier family members, during their sickness needs to remember what it is for so what if we have solution for this , use ML to train a model to classify tablets to categories and label them to disease for which they have been prescribed by doctor all in one app.

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. *Android app with camera feature to take snap of table/pills and call the ML model hosted on google cloud infrastructure and call this service from our android app*
2. *We could use google's cloud infra for training and hosting the model*
3. *Build and test model -1.5 month*

   Host the fully trained model with best accuracy on cloud platform - 15 days

   Test end to end from clicking snap to getting results from cloud hosted model

   May 2020 will be sufficient to do the demoable app.

We can use tensorflow lite/mobile to serve the model within app itself instead of relying on cloud infra for faster responses and if there are any issues with the results we can always use the misidentified data for retraining the model further. If privacy is a concern over here we can use federated learing as well during retraining the model without even sending actual data for training purpose.

Datasource - this can be scrapped from web , any data from google for this activity will be highly appreciated.

Tell us about you.

ML developer working at UiPath - a unicorn Robotic process automation company , Building ML Product as well as solutions for customers in Documents understanding domain.

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.

github.com/Naveenkhasyap

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.**