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: Several months ago, I traveled to the US with my family. But the starting day's weather was too bad because of heavy rain. My flight was canceled 5 hours later after boarding. So I had to change the flight, hotel, tickets. Everything was damaged and I paid big money. I saw many people are getting trouble in the same situation. So I decided to make something to help the traveler for a safer journey. This idea is for managing the risk during travel. There are many reasons to make trouble during travel such as weather, flight cancel, accident, lost luggage, traffic jam, sickness, etc. If troubles happen, the whole schedule is effected. If we go somewhere, the app can help to prevent troubles based on data. So I want to make a safe travel management app using Machine Learning. There are many risk factors for travel. This app's Machine Learning classifier will be trained for travel risk parameters. The app shows the user's travel situation based on classifier from "before travel" to "finishing travel". If travel is risky from trouble, the app will show how the user can make a better schedule in this situation. The transportation and hotel are tightly coupled with the travel schedule. The sudden change of schedule makes the higher cost. This app will help to decide the best solution in the changed situation during the journey for the traveler.

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.*

(1) Code

- Linked Udacity's term project in github : Classifier for dog's picture

(2) List

- How to use various google api with machine learning : google map api, weather api, travel api, etc.

- How to combine google machine learning with 3rd party data : Kaggle

- How to design machine learning classifier for higher performance

- Comfortable GUI design

(3) Timeline

First phase : Making classifier

Second phase : Bootcamp

Third phase : Implementation

		December				January				February				March				April			
Classifier	*Design*																				
	train																				
	Modifying																				
Design service	*UI, features*																				
Bootcamp																					
Finalize details	*UI, features*																				
APP Development	*API Implementation*																				
	API combine																				
	Classifier combine																				
	GUI development																				
Test																					
Release																					

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.

. Projects in the job :

- Unity project : AR mobile application, Retail shop promotion PC application

. Mobile application : AR navigation application(Android, iOS)

. Udacity nano-degree studying : Currently I focused on neural network using python.

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.**