



**\*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:

*Firstly, I believe in the ideology of 'build for everyone'. I believe it acts as an equalizer and helps technology reach the next billion users. And with on-device machine learning we can bring great ideas into reality.*

*My idea is to create an application that uses tensorflow lite for "Detecting the accuracy of a Yoga-posture & correcting the user".*

*As we know health & wellness is one aspect which plays a major role in everyone life. Now the advancements have reached such an extent that with the help of machine learning & image processing even without a supervisor we can perform the exercises as they have to be performed and keep our body fit.*

*Using neural networks I will train my model with different postures, and then detect its accuracy using the Google Vision API. Thereby making the user learn yoga without the help of any supervisor.*

*Yoga is one form exercise originated from ancient India and largely consists of postures, also called as asanas. The impact of yoga has been beneficial both to the physical as well as mental fitness of the human being. Making it more accessible to everyone, may bring in more happy stories.*



**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,*
- *My idea is still in the ideation phase, as I have just started working on it. As of now I'm working on to find out the best possible ways for application prototyping. I believe I can complete the project according to the below mentioned timeline.*
- *(2) a list of the ways you could use Google's help,*
- *Support with good mentorship on how to use the machine learning APIs*
- *Help to reach large scale of users*
- *Helping in adding additional features to the application*
- *Reliable Dataset*
- *(3) as well as the timeline on how you plan on bringing it to life by May 1, 2020.*
- *December 2019: Documenting and Training Models Finalising the best possible method for the application Prototyping*
- *January 2020: Development and Google Vision integration Implementing UI/UX for the App*
- *February 2020 : Developing the Android application*
- *March 2020 : Beta testing the Android application*
- *April 2020 : Finalising the Android application Taking User Feedback and Making necessary changes*



## 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.

*My name is Mohith. I am an undergraduate student pursuing engineering in Electronics and Communication. I always believed “Technology + Empathy” can create wonders. Hence, I try to use my knowledge in solving the problems around me. My love towards coding made me develop apps.*

*I’m also volunteering as Community Lead at Developer Student Clubs(-powered by Google Developers) in my campus, being the first ever lead to bring the student club to my campus.*

## 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.](#)