



Tell us what your idea is.

I'm head of product of hardware startup in Silicon Valley. I'd like to run on-device AI ML to develop the necessary algorithm for our new radar sensor. For example, I'd like to classified the array radar signals to detect size of motion objects to differentiate a rodent to cat or dog to human or height and width of motion objects to differentiate an adult from kid or toddler or male from female.

Tell us how you plan on bringing it to life.

We have the firmware to run our single array radar on MQTT network

(1) We'll recruit new R&D intern to propose and draft experimental code.

(2) Google Hardware team can assist in porting AI ML

Google AI team can help in designing AI ML model and offer resources to train the model

Android team can help with better integration with Android integration

Google Home team invite us to speak at Google events

Google Partner team can introduce Google Accelerator

(3) We are developing a design plan to produce our low cost radar module in alpha version.

Tell us about you.

I am head of product of stealth startup. We can not reveal our product or design in public yet as we are protecting our IP assets. Once we are accepted we can reveal our HW including radar. I teach mobile app development for 10 years with few hundreds of student alumni. I've written dozens of mobile sample projects to teach mobile. I've been covering many emergency technologies on HW/SW.

Next steps.

- Include this cover letter in your GitHub repository
- GitHub repository tag with #AndroidDevChallenge
- [**Officially submit your proposal.**](#)