



**\*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.**

Spam filter for an incoming call, using smart voicemail technique.

The user device receives a call,

1. Does the caller exist in contacts?
  - a. Yes
    - i. Alert user to pick up the call
  - b. No
    - i. Pickup call.
    - ii. Start a dialog to find the intent of the caller using speech to text and machine learning.
    - iii. If the call is detected spam, reject the call.
    - iv. If the call is detected unknown or not spam, Alert User to pick up the call

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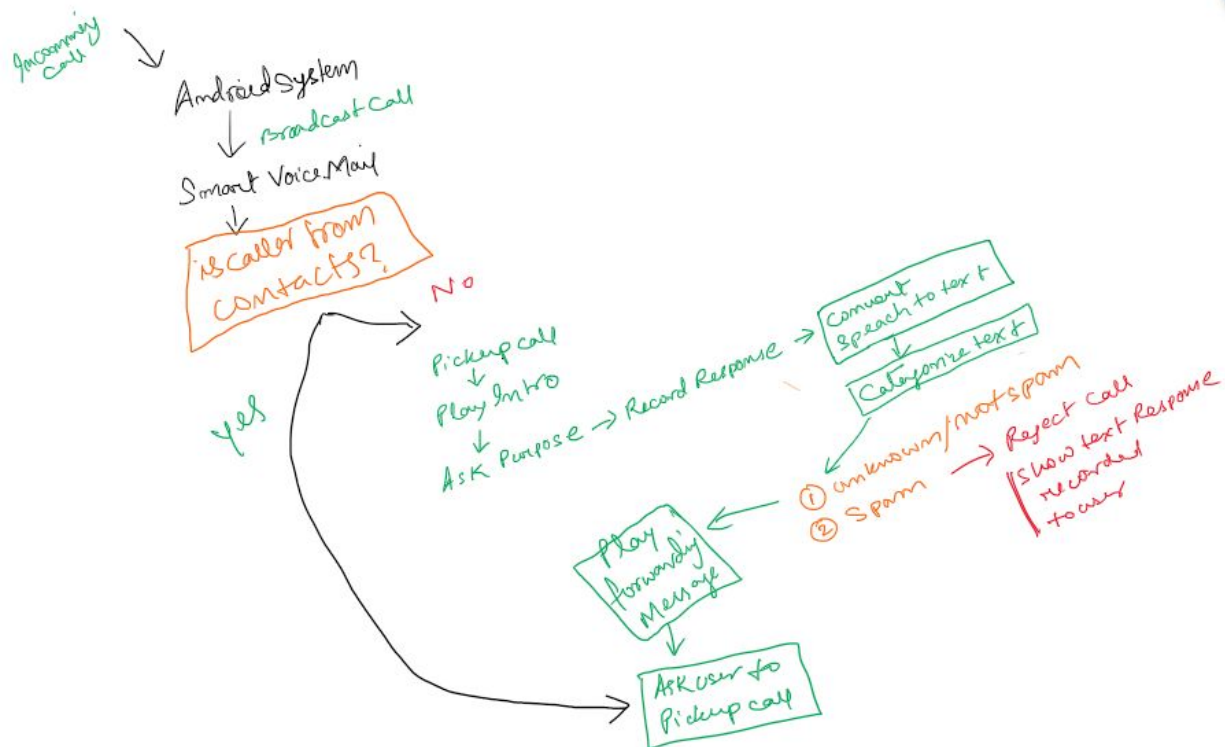
*Describe in 250 words what the feature or service will do and how you'll use Machine Learning to push the bar:*

**Tell us how you plan on bringing it to life.**

1. Use google speech to text to convert the incoming call speech to text.
2. Use ML to identify the text as spammy.
3. Train the model to understand spam calls using the user's feedback from the failed spam detection.



A figure explaining how it might work.



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.



## Tell us about you.

I am a software engineer, who likes to solve day to day problems and use available technology to help tackle problems faced in daily life.

I am from the northeastern part of India, currently working as a full-stack developer for a company in Bangalore.

I have worked on some android application natively and using react native,

1. I have worked on a native android application to book cabs and provide end to end features to enable cab booking service for my native place.
2. I have developed a native android application to take attendance of students at my university. I came up with this save paper wastage and help build a digital experience of attendance management.
3. I have worked on a react-native application to stream video images to a python server that trains an ML model to detect objects, It also supported an in device inference to detect and classify images, using trained models downloaded from the server.

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.

## 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.](#)**