

Tell us what your idea is.

Surviving when we travel to a new place is becoming quite hard without understanding what others speak and it becomes critical when old aged (even middle-aged) people travel and it becomes a major reason why they don't prefer to travel although they wanted to travel to many places. So my idea is to make an app (called **Live Translate**) that uses **ML Kit, AutoML Translation and AutoML Natural Language** to *translate the other's speech tell them what others say lively* and helps them to have the actual conversation via this app. This can be done both by inputting the audio and video. Another feature is the *live translation of chat where people will type in their own language, which will be translated simultaneously* as they type and sent to the other person. This helps in two situations, one is while chatting with others and other is while a physically challenged person, who couldn't speak but could so other works normally is trying to have a conversation. This will be of great help for them as it makes them to have conversations with others and also make them employable.

Tell us how you plan on bringing it to life.

This is still in idea phase and I am doing a research how this could reach people and what additional features could be added on it.

I could use Google's help to get my doubts cleared during the development phase and to get feedback on the code quality. I believe Google's mentorship will help me to set on the right track during the development phase, make me more open to wide options available out there, to improve the way I work on project and of course I will learn something special out there from Googlers and explore the Googliness in me.

Timeline:

December

- Learn Tensorflow Lite and other sets of AutoML libraries to create a road map of how these libraries could be used effectively.
- Create mock-up screens.

January

- Create UI screens in Android based on Material Design.
- Working on Data Collection, Data wrangling.



 Start building up the features one by one - test it - fix it until it works fine, using the required Google's ML Libraries.

February

- Attend the Google's training get more insights directly from Google Team. Clarify doubts by building the most important features at small scale.
- Connect the various small features made to make it work for what it was made for.

March - April

- Do some more integration part.
- Create a custom model if required.
- Add extra features (if necessary)
- Make the app more accessible across various devices.
- Testing -> Fix -> Rebuild

1st May

• App should be live in play store.

Tell us about you.

I'm Kavin Raju S, final year student pursuing B.Tech EIE in SASTRA Deemed To Be University, DSC Lead at our campus and also an Associate Android Developer. I have a great passion for making materialistic apps that could create an impact in at least thousands of life. I could make apps more eye-catching, hand grabbing. I am working on apps for my college's fests. I am a Google Udacity India Scholarship Recipient where I learnt advanced concepts of Android and was selected as one of the top 3 performers and got a chance to attend Google I/O'19. My passion to do something for other never reaches saturation state.

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