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Tell us what your idea is.

Live Lipreader

I just saw the app named Live Caption with the tagline "Now anything that has audio can have captions". And then instantly this question came to my mind why does it have to have audio. What if the person in the video is mute and cannot speak. Live Caption is a great app for people who are deaf or hard of hearing but what about the people mute or recently lost their voices. So I thought why not create an app that can translate the lip movement into captions. It could be useful for mute people as well as criminal investigation!

So my idea is to build an app which works as lip reader and displays the words as captions just like the app Live Caption. But the difference is instead of audio here anything with video will have captions.

Tell us how you plan on bringing it to life.

I am thinking of using Firebase MLkit and TensorFlow custom models for this project. I am very new to machine learning. So I think I can use Google's help to enhance my knowledge and build this project.

Tell us about you.

I am an android developer from Bangladesh. I worked on some financial application. I am interested in Machine Learning and so far I used firebase face detection and text recognition in my projects. I am very eager to learn more about on device machine learning. I think this will help a lot of people both abled and differently abled!

Here are some of my apps on which I worked during my 5+ years of job life.

1. [CashBaba](#)
2. [Palli Lenden](#)
3. [Easy.com.bd Recharge & Payment](#)
4. [NY BANGLA RADIO](#)
5. [DESCO](#)