

## Assignment - Ai/MI

### About Listed- <https://listed.fans/>

We are a lab building products for the creator economy. Why so, because we are on a mission to empower the individual to realize/unleash their full potential. Following are some of our flagship products:

#### OpeninApp

Almost all your favorite creators on Instagram share links to their latest YouTube videos or YouTube channels in their bio or stories. But whenever you tap on those links, you get redirected to the YouTube website instead of the YouTube app. And here you can't watch the video in full screen nor can you like it, comment on it or subscribe to the channel.

Ever wondered why it is so? That's because Instagram has something called a Built-IN-Browser that opens up instead of opening the app you wanted to open. Which is not cool at all....And this is not just so for IG but for all your favorite social media apps eg. YouTube, LinkedIn, Twitter, Snapchat, Telegram, Quora etc.

So we fixed this problem of sub-optimal user experiences by building a tool that ensures all social media links open in the apps they should. It's called OpeninApp. And it is already loved by over 20,000 influencers & brands including the likes of Munawar Faruqui, Raj Shamani, Riva Arora, Aishwarya (Ranjnikant-ji's daughter), Trakin Tech, Mamaearth etc. And has been used by 55Mn+ users.

#### Listed.fans

We Listians find it very painful that unlike tech entrepreneurs there's little to no capital available for our darling social media creators or influencers, the wonderful people who entertain us, educate us and so so much more. And this is not just the case for social media creators but individual performers of any form are they are, cricketers, singers, dancers, actors etc... So, Listed helps rising creators get funded, just like startups by being there done-that's like mega-influencers, agency owners and brand CXOs to launch and accelerate their own creator-ships. In return, these rising stars pledge to share a portion of their future incomes with their investors for a certain fixed period of time.

So, if you believe the gifted individuals of today will overshadow the companies of yesterday, and in doing so, have the right to capital & guidance and you are passionate about social media and wants to improve User Experiences for a Billion people, then welcome home.

## TASK

The objective of this assignment is to demonstrate your skills in creating an AI model that is proficient in lip-syncing i.e. synchronizing an audio file with a video file. Your task is to ensure the model is accurately matching the lip movements of the characters in the given video file with the corresponding audio file.

Video - <https://openinapp.co/5cwva>

Audio - <https://openinapp.co/o9vui>

**Hint - Explore [Wav2Lip](#)**

### What are we looking for?

- Check the Links and ask questions, if you have any, before attempting the task.
- The output should demonstrate accurate matching of the lip movements to the spoken words or sounds, creating a seamless and natural visual and auditory experience for the viewer.
- The expected output for the lip-syncing task would be a video file where the lip movements of the characters in the video are precisely synchronized with the corresponding audio file.

### Your assignment will be evaluated on the following criteria -

- Code quality, the less the code the better.
- Time taken to submit, the less the better.
- Response times, the faster the better.
- Lip Sync Quality

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**FAQs:**

**1. Can I use a pre-trained model, or do I need to train a model myself?**

Ans - Using pre-trained models is usually more practical because training models can take a long time. We kindly request that you prioritize using the provided link to access the pre-trained model.

**2. Can I show the code of the project without it working?**

Ans - No, a working assignment is the bare-minimum that we require.

**3. Where can I find pre-trained models?**

Ans - We have attached the link of a pre-trained model.