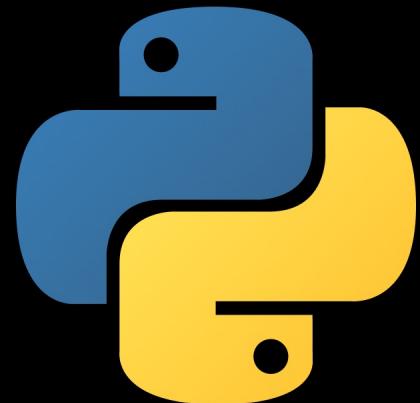
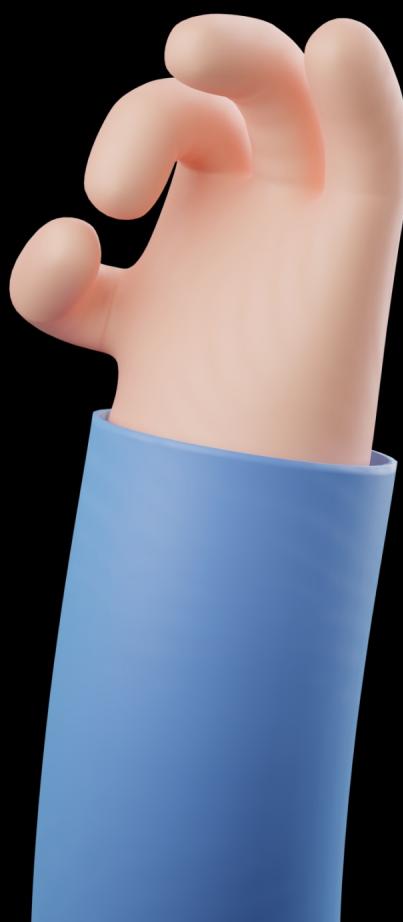


{ Extract Captions }

From Video



+  
OpenAI



# Introduction

In this particular post we will  
using openAI with python to  
extract the captions from video.

For this we will going to use  
openai python package.

# Install openai

First we need to install openai package using this simple command.

```
1 pip install openai
```

# Setup API Key

Next, setup your openai key, you can get it from openai dashboard.

```
1 from openai import OpenAI  
2 import os  
3  
4 openAI = OpenAI(api_key=os.environ.get(  
5                      "OPENAI_API_KEY")  
6                      )
```



Keep the openai key in .env file and get from it.

# Read video file

Next, using Open function read the video file in binary format.

```
1 video = Open("sample.mp4", "rb")
```

# Extract Captions

Next using openai whisper-1 model,  
let's extract caption from video

```
1 video = Open("sample.mp4", "rb")
2
3 captions = openAI.audio.transcription.create(
4     model="whisper-1",
5     file=video
6 )
7
8 print(captions.text)
```

# Complete Code

Here is the complete code to  
extract text from video

```
1 from openai import OpenAI
2 import os
3
4 openAI = OpenAI(api_key=os.environ.get(
5                         "OPENAI_API_KEY")
6                         )
7
8 video = Open("sample.mp4", "rb")
9
10 captions = openAI.audio.transcription.create(
11             model="whisper-1",
12             file=video
13         )
14
15 print(captions.text)
```

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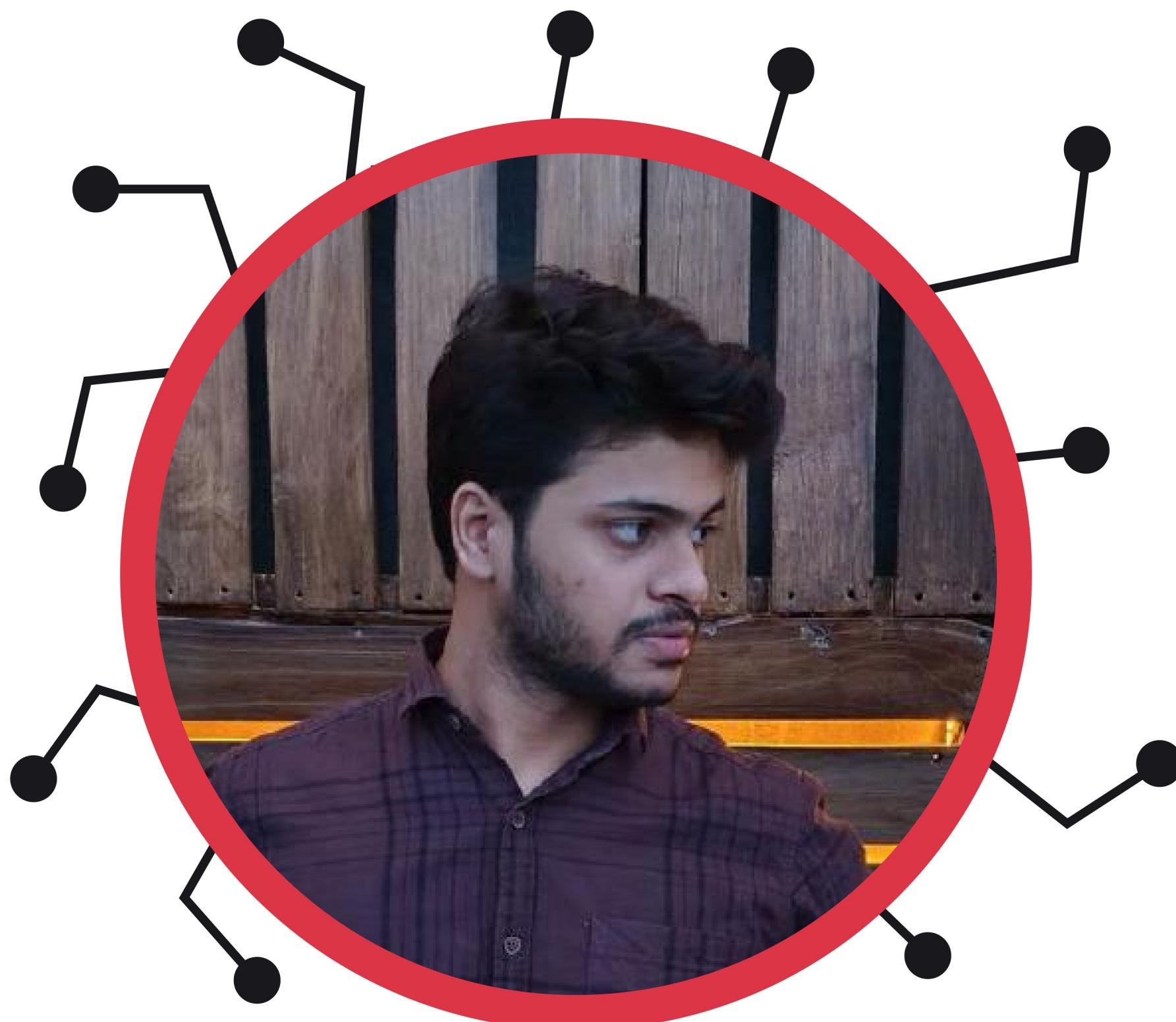
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Software Engineer

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