



ASSIGNMENT

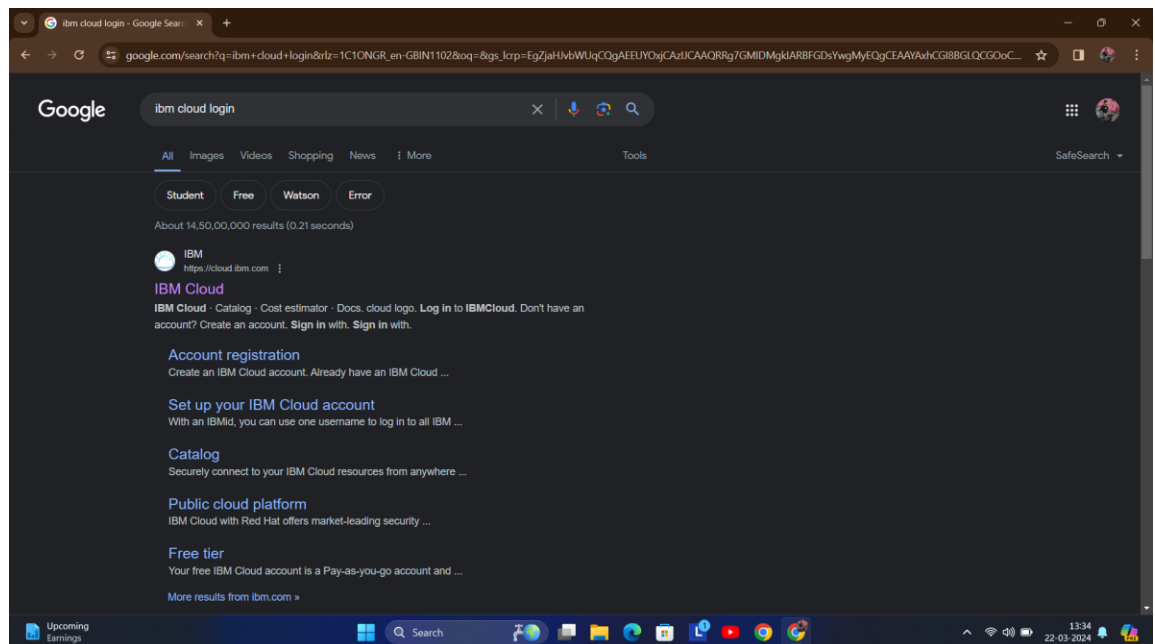
By Ganesh Agrahari

BCA ds&ai-13

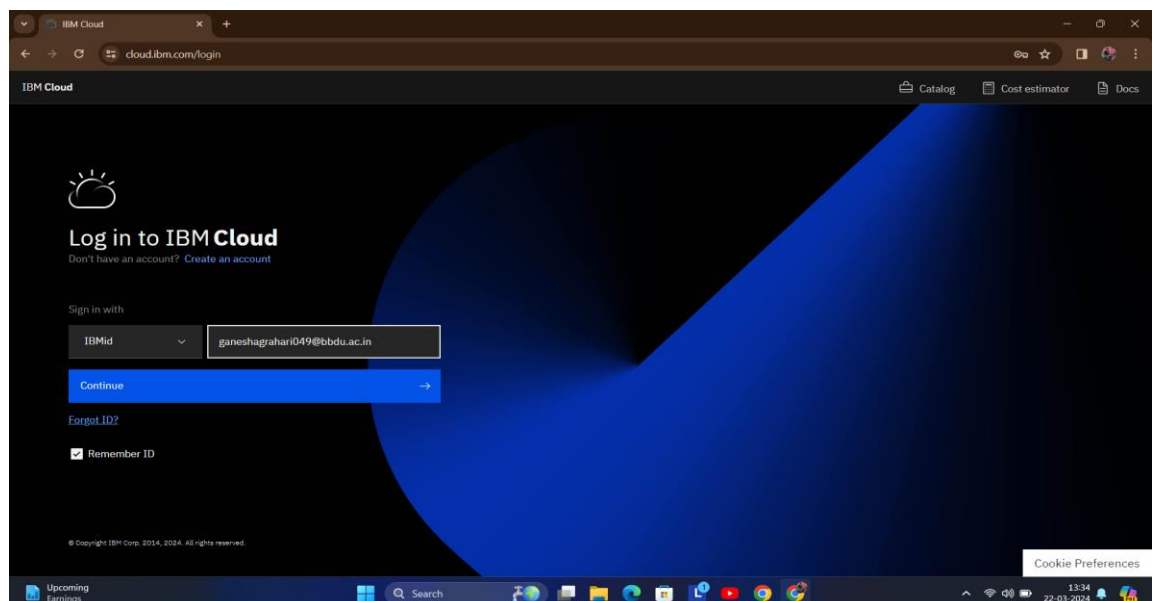
Rollno-28

ASSIGNMENT OF SPEECH TO TEXT

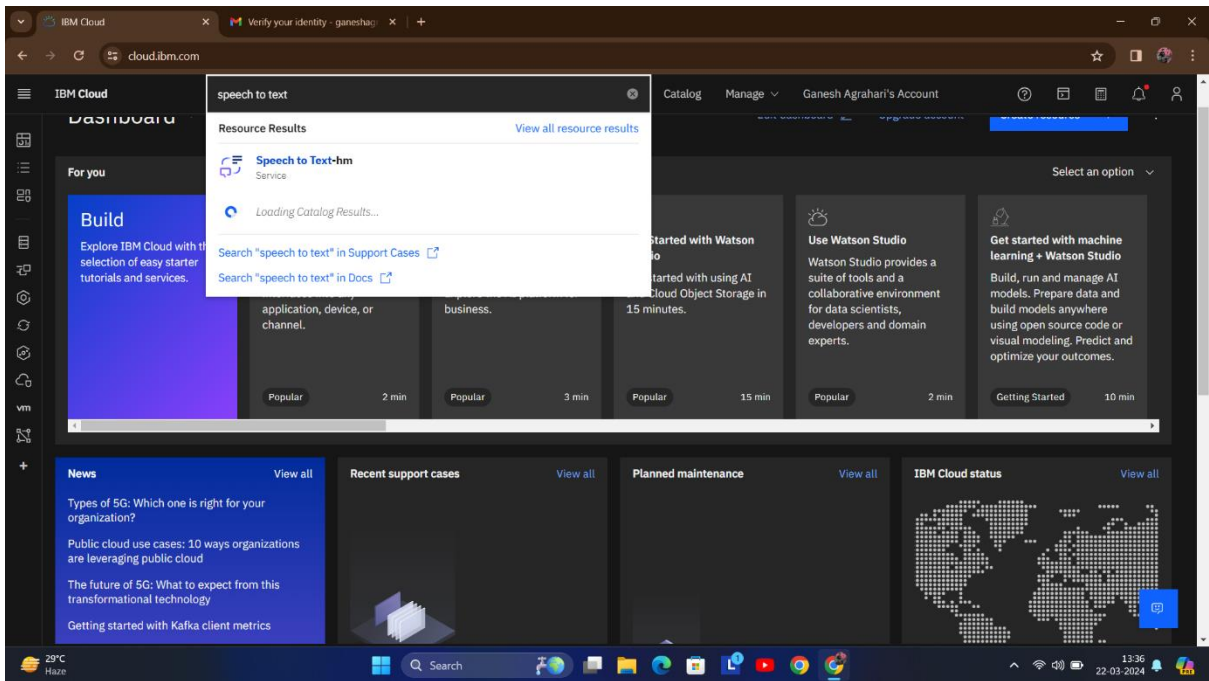
- **STEP:1**-You need to login IBM cloud using your bbdU email id . In IBM cloud login page you will enter you're your register email and enter your password that you have set before registering..



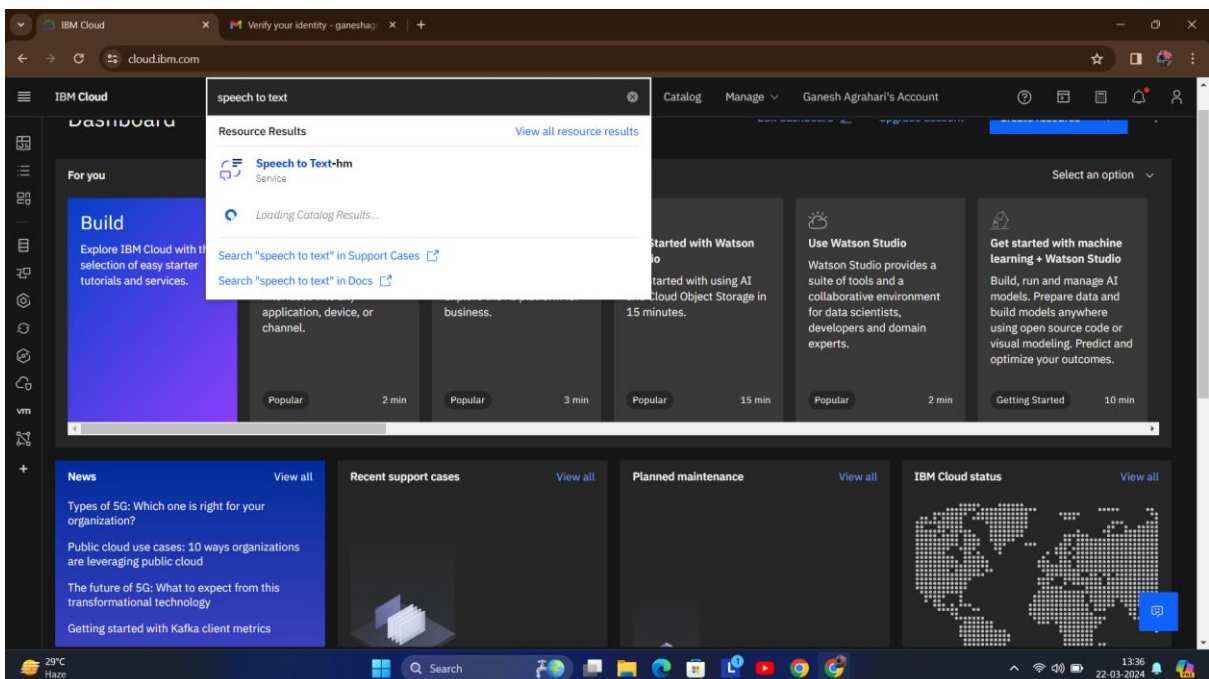
And like this:



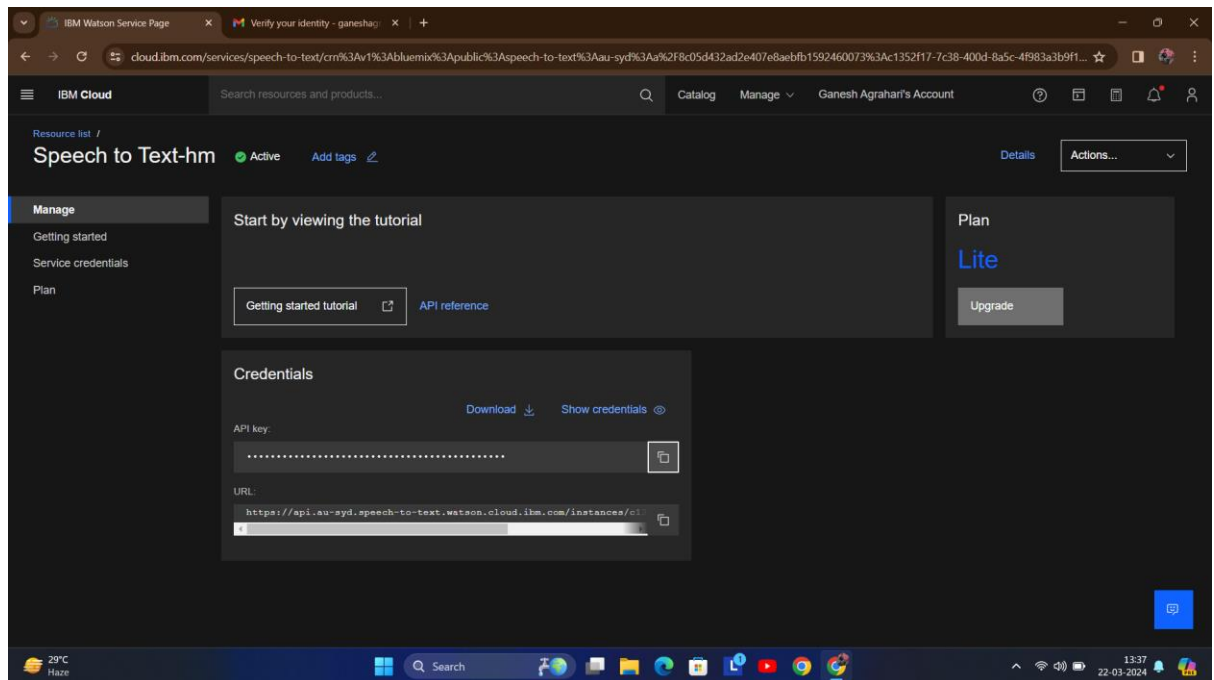
- STEP:2- Now IBM cloud home page will appear, that you have search speech to text in search box that located at top of home page like that:



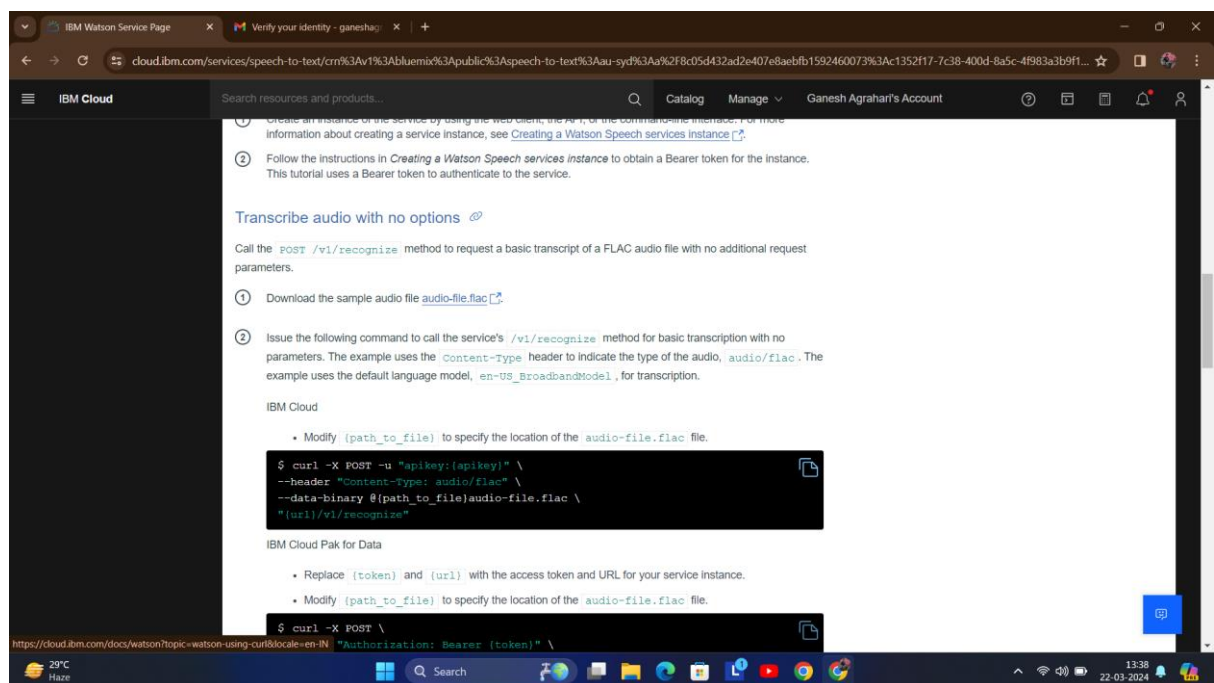
- STEP:3-Now speech to text catalog page will be redirected now you have to select location or leave it as default, after this accept all terms and condition that hover your cursor on create and click on it. SC is given below:



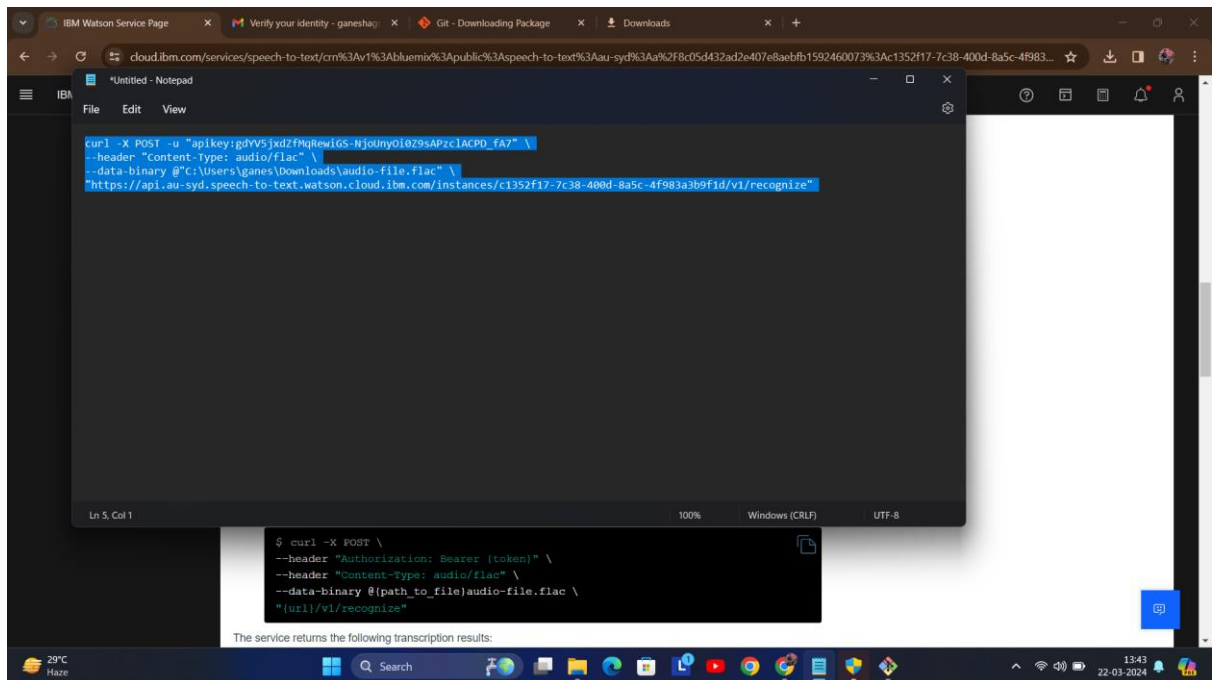
- STEP:4-Now copy your api key and url at your clipboard using 'ctrl+c'.



- STEP:5-Goto getting started section and scroll down audio file mentioned as '.flac' and copy IBM code .



- STEP:6-Now open note pad and edit {apikey} , {url} and '@path' as yours like that..



The screenshot shows a Windows desktop with a Notepad window and a terminal window. The Notepad window contains the following curl command:

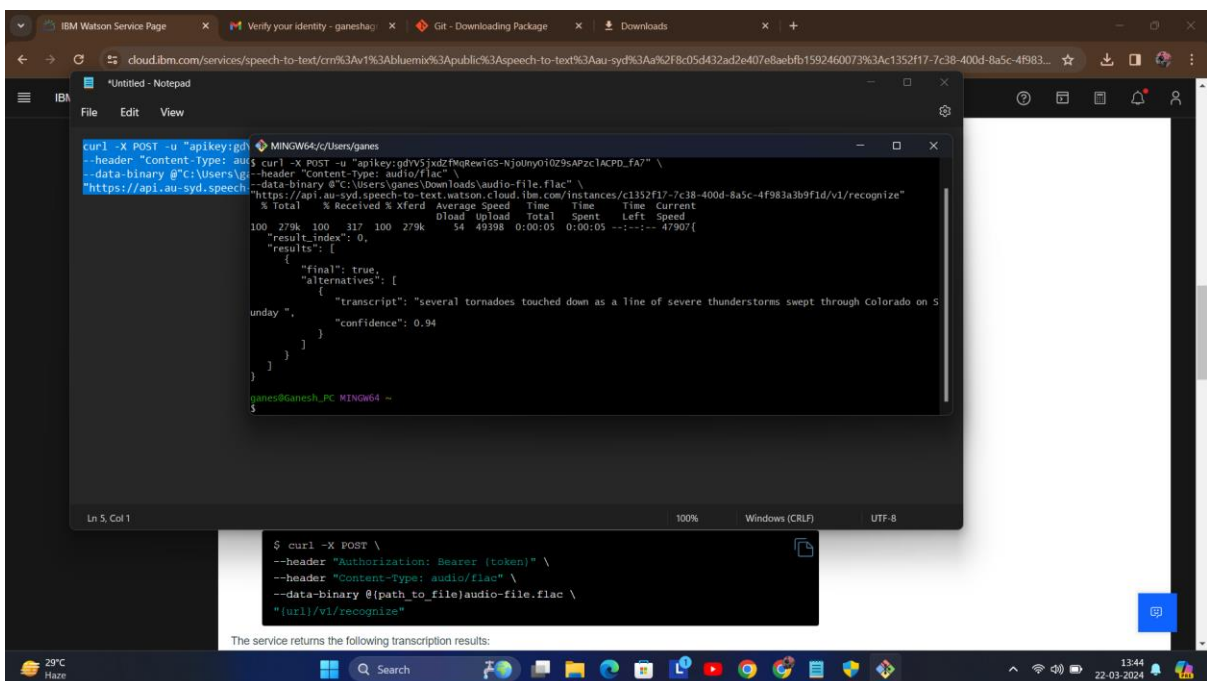
```
curl -X POST -u "apikey:gdV5jxdZfMqRwIGS-Njouny0i0Z9sAPZcIACPD_FA7" \
--header "Content-Type: audio/flac" \
--data-binary @c:\Users\ganes\Downloads\audio-file.flac" \
https://api.au-syd.speech-to-text.watson.cloud.ibm.com/instances/c1352f17-7c38-400d-8a5c-4f983a3b9f1d/v1/recognize"
```

The terminal window shows the command being executed:

```
$ curl -X POST \
--header "Authorization: Bearer (token)" \
--header "Content-Type: audio/flac" \
--data-binary @path_to_fileaudio-file.flac \
"(url)/v1/recognize"
```

The service returns the following transcription results:

- STEP:7- Copy whole code and paste it over gitbash and hit 'enter' key.. Now your Whole audio will be covert into text as Sc is given below..



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--data-binary @c:\Users\ganes\Downloads\audio-file.flac" \
https://api.au-syd.speech-to-text.watson.cloud.ibm.com/instances/c1352f17-7c38-400d-8a5c-4f983a3b9f1d/v1/recognize"
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--data-binary @path_to_fileaudio-file.flac \
"(url)/v1/recognize"
```

The service returns the following transcription results:

```
100 279k 100 317 100 279k $4 49398 0:00:05 0:00:05 --:--:-- 47907{
  "result_index": 0,
  "results": [
    {
      "final": true,
      "alternatives": [
        {
          "transcript": "several tornadoes touched down as a line of severe thunderstorms swept through Colorado s",
          "confidence": 0.94
        }
      ]
    }
  ]
}
```