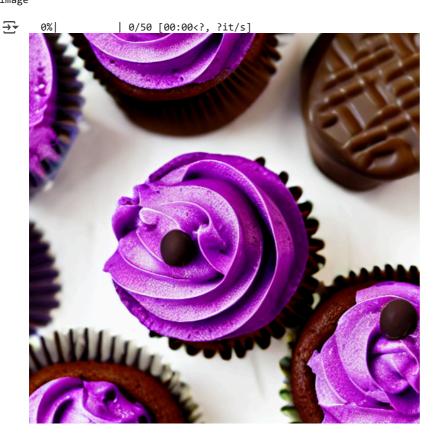
from transformers import pipeline image\_captioner = pipeline("image-to-text", model = 'Salesforce/blip-image-captioning-large', device=0) /usr/local/lib/python3.11/dist-packages/huggingface\_hub/utils/\_auth.py:94: UserWarning: The secret `HF\_TOKEN` does not exist in your Colab secrets. To authenticate with the Hugging Face Hub, create a token in your settings tab (<a href="https://huggingface.co/settings/to">https://huggingface.co/settings/to</a> You will be able to reuse this secret in all of your notebooks. Please note that authentication is recommended but still optional to access public models or datasets. warnings.warn( Using a slow image processor as `use\_fast` is unset and a slow processor was saved with this model. `use\_fast=True Device set to use cpu image = r'/content/dog.jpg' caption = image\_captioner(image) caption[0].get('generated text') → 'arafed group of puppies sitting on a wooden bench in the woods' vqa = pipeline('visual-question-answering') No model was supplied, defaulted to dandelin/vilt-b32-finetuned-vqa and revision d0a1f6a (https://huggingface.co/d Using a pipeline without specifying a model name and revision in production is not recommended. Device set to use cuda:0 image =r'/content/dog.jpg' q = input('Ask a question about the image: ') result = vqa(image, q) result Ask a question about the image: what is the animal [{'score': 0.8666151165962219, 'answer': 'dog'}, {'score': 0.300300657749176, 'answer': 'dogs'}, {'score': 0.025989240035414696, 'answer': 'lab'}, {'score': 0.013781215995550156, 'answer': 'yes'}, {'score': 0.012482884339988232, 'answer': 'dog and cat'}] !pip install diffusers import torch from diffusers import DiffusionPipeline generator = DiffusionPipeline.from\_pretrained("runwayml/stable-diffusion-v1-5") generator.to("cpu") pprompt = input("Enter the prompt:") image = generator(prompt).images[0] image

6%

3/50 [02:17<31:30, 40.22s/it]



prompt = "a purple coloured cup cake covered in chocolate chips "
image = generator(prompt).images[0]
image



from transformers import pipeline
img\_cls=pipeline('image-classification')

No model was supplied, defaulted to google/vit-base-patch16-224 and revision 3f49326 (<a href="https://huggingface.co/googl">https://huggingface.co/googl</a> Using a pipeline without specifying a model name and revision in production is not recommended. Fast image processor class <class 'transformers.models.vit.image\_processing\_vit\_fast.ViTImageProcessorFast'> is av Device set to use cuda:0

Requirement already satisfied: soundfile>=0.12.1 in /usr/local/lib/python3.11/dist-packages (from librosa) (0.13 Requirement already satisfied: pooch>=1.1 in /usr/local/lib/python3.11/dist-packages (from librosa) (1.8.2) Requirement already satisfied: soxr>=0.3.2 in /usr/local/lib/python3.11/dist-packages (from librosa) (0.5.0.post Requirement already satisfied: typing extensions>=4.1.1 in /usr/local/lib/python3.11/dist-packages (from librosa Requirement already satisfied: lazy\_loader>=0.1 in /usr/local/lib/python3.11/dist-packages (from librosa) (0.4) Requirement already satisfied: msgpack>=1.0 in /usr/local/lib/python3.11/dist-packages (from librosa) (1.1.0) Requirement already satisfied: termcolor in /usr/local/lib/python3.11/dist-packages (from fire>=0.4.0->deepface) Requirement already satisfied: blinker>=1.9.0 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->dee Requirement already satisfied: click>=8.1.3 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->deepf Requirement already satisfied: itsdangerous>=2.2.0 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2 Requirement already satisfied: jinja2>=3.1.2 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->deep Requirement already satisfied: markupsafe>=2.1.1 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2-> Requirement already satisfied: werkzeug>=3.1.0 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->de Requirement already satisfied: beautifulsoup4 in /usr/local/lib/python3.11/dist-packages (from gdown>=3.10.1->de Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from gdown>=3.10.1->deepface Requirement already satisfied: packaging in /usr/local/lib/python3.11/dist-packages (from gunicorn>=20.1.0->deep Requirement already satisfied: absl-py in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) Requirement already satisfied: rich in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (13 Requirement already satisfied: namex in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (0 Requirement already satisfied: h5py in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (3. Requirement already satisfied: optree in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) ( Requirement already satisfied: ml-dtypes in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface Requirement already satisfied: lz4>=4.3.3 in /usr/local/lib/python3.11/dist-packages (from mtcnn>=0.1.0->deepfac Requirement already satisfied: llvmlite<0.44,>=0.43.0dev0 in /usr/local/lib/python3.11/dist-packages (from numba Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas>=0 Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas>=0.23.4->dee Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas>=0.23.4->d Requirement already satisfied: platformdirs>=2.5.0 in /usr/local/lib/python3.11/dist-packages (from pooch>=1.1-> Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from request Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests>=2.27.1->d Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests>=2.2 Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests>=2.2 Requirement already satisfied: threadpoolctl>=3.1.0 in /usr/local/lib/python3.11/dist-packages (from scikit-lear Requirement already satisfied: cffi>=1.0 in /usr/local/lib/python3.11/dist-packages (from soundfile>=0.12.1->lib Requirement already satisfied: astunparse>=1.6.0 in /usr/local/lib/python3.11/dist-packages (from tensorflow>=1. Requirement already satisfied: flatbuffers>=24.3.25 in /usr/local/lib/python3.11/dist-packages (from tensorflow> Requirement already satisfied: gast!=0.5.0,!=0.5.1,!=0.5.2,>=0.2.1 in /usr/local/lib/python3.11/dist-packages (f Requirement already satisfied: google-pasta>=0.1.1 in /usr/local/lib/python3.11/dist-packages (from tensorflow>= Requirement already satisfied: libclang>=13.0.0 in /usr/local/lib/python3.11/dist-packages (from tensorflow>=1.9 Requirement already satisfied: opt-einsum>=2.3.2 in /usr/local/lib/python3.11/dist-packages (from tensorflow>=1.  $Requirement \ already \ satisfied: \ protobuf!=4.21.0,!=4.21.1,!=4.21.2,!=4.21.3,!=4.21.4,!=4.21.5,<6.0.0 dev,>=3.20.3 d$ Requirement already satisfied: setuptools in /usr/local/lib/python3.11/dist-packages (from tensorflow>=1.9.0->de Requirement already satisfied: six>=1.12.0 in /usr/local/lib/python3.11/dist-packages (from tensorflow>=1.9.0->d Requirement already satisfied: wrapt>=1.11.0 in /usr/local/lib/python3.11/dist-packages (from tensorflow>=1.9.0-Requirement already satisfied: grpcio<2.0,>=1.24.3 in /usr/local/lib/python3.11/dist-packages (from tensorflow>= Requirement already satisfied: tensorboard<2.19,>=2.18 in /usr/local/lib/python3.11/dist-packages (from tensorfl Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in /usr/local/lib/python3.11/dist-packages ( Requirement already satisfied: wheel<1.0,>=0.23.0 in /usr/local/lib/python3.11/dist-packages (from astunparse>=1 Requirement already satisfied: pycparser in /usr/local/lib/python3.11/dist-packages (from cffi>=1.0->soundfile>= Requirement already satisfied: markdown>=2.6.8 in /usr/local/lib/python3.11/dist-packages (from tensorboard<2.19 Requirement already satisfied: tensorboard-data-server<0.8.0,>=0.7.0 in /usr/local/lib/python3.11/dist-packages Requirement already satisfied: soupsieve>1.2 in /usr/local/lib/python3.11/dist-packages (from beautifulsoup4->gd Requirement already satisfied: PySocks!=1.5.7,>=1.5.6 in /usr/local/lib/python3.11/dist-packages (from requests[ Requirement already satisfied: markdown-it-py>=2.2.0 in /usr/local/lib/python3.11/dist-packages (from rich->kera Requirement already satisfied: pygments<3.0.0,>=2.13.0 in /usr/local/lib/python3.11/dist-packages (from rich->ke Requirement already satisfied: mdurl~=0.1 in /usr/local/lib/python3.11/dist-packages (from markdown-it-py>=2.2.0

```
from deepface import DeepFace
import librosa
import speech_recognition as sr
import numpy as np
emotions = ['happy','sad','neutral','angry','fear','surprice']
r = DeepFace.analyze(img_path = '/content/jimin smile.jpg', actions = ['emotion'])
r[0]
→ {'emotion': {'angry': np.float32(0.012846767),
       'disgust': np.float32(7.793615e-09),
       'fear': np.float32(9.379978),
       'happy': np.float32(0.00012824452),
       'sad': np.float32(89.80199),
       'surprise': np.float32(1.0246321e-06),
       'neutral': np.float32(0.80506384)},
      'dominant_emotion': 'sad',
      'region': {'x': 555,
       'y': 344,
       'w': 517,
       'h': 517,
       'left_eye': (900, 539),
       'right_eye': (714, 552)},
      'face confidence': np.float64(0.95)}
from transformers import pipeline
image_captioner = pipeline("image-to-text", model = 'Salesforce/blip-image-captioning-large', device=0)
The secret `HF_TOKEN` does not exist in your Colab secrets.
    To authenticate with the Hugging Face Hub, create a token in your settings tab (https://huggingface.co/settings/to
    You will be able to reuse this secret in all of your notebooks.
    Please note that authentication is recommended but still optional to access public models or datasets.
      warnings.warn(
    Using a slow image processor as `use_fast` is unset and a slow processor was saved with this model. `use_fast=True
    Device set to use cpu
image = r'/content/taj.jpeg'
caption = image_captioner(image)
caption[0].get('generated_text')
    'araffe view of a white building with a fountain in the middle'
!pip install gTTS
    Requirement already satisfied: gTTS in /usr/local/lib/python3.11/dist-packages (2.5.4)
    Requirement already satisfied: requests<3,>=2.27 in /usr/local/lib/python3.11/dist-packages (from gTTS) (2.32.3)
    Requirement already satisfied: click<8.2,>=7.1 in /usr/local/lib/python3.11/dist-packages (from gTTS) (8.1.8)
    Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests<
     Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->gT
    Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.
     Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.
from gtts import gTTS
from IPython.display import Audio
a = gTTS(input("Enter any text:"))
→ Enter any text:araffe view of a white building with a fountain in the middle
a.save("taj.mp3")
Audio("taj.mp3")
```

```
∓
```

0:00 / 0:03

```
vqa = pipeline('visual-question-answering')
No model was supplied, defaulted to dandelin/vilt-b32-finetuned-vga and revision d0a1f6a (https://huggingface.co/d
     Using a pipeline without specifying a model name and revision in production is not recommended.
     Device set to use cpu
image =r'/content/taj.jpeg'
q = input('Ask a question about the image: ')
result = vqa(image, q)
result
Ask a question about the image: what is the picture
     [{'score': 0.13345396518707275, 'answer': 'landscape'}, {'score': 0.12381446361541748, 'answer': 'nature'}, {'score': 0.06416231393814087, 'answer': 'outside'}, {'score': 0.06239980086684227, 'answer': 'church'}, {'score': 0.04174917936325073, 'answer': 'statue'}]
!pip install googletrans==4.0.0-rc1
     Requirement already satisfied: googletrans==4.0.0-rc1 in /usr/local/lib/python3.11/dist-packages (4.0.0rc1)
     Requirement already satisfied: httpx==0.13.3 in /usr/local/lib/python3.11/dist-packages (from googletrans==4.0.0-r
     Requirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans
     Requirement already satisfied: hstspreload in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googlet
     Requirement already satisfied: sniffio in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans
     Requirement already satisfied: chardet==3.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->google
     Requirement already satisfied: idna==2.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletra
     Requirement already satisfied: rfc3986<2,>=1.3 in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->goo
     Requirement already satisfied: httpcore==0.9.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->goo
     Requirement already satisfied: h11<0.10,>=0.8 in /usr/local/lib/python3.11/dist-packages (from httpcore==0.9.*->ht
     Requirement already satisfied: h2==3.* in /usr/local/lib/python3.11/dist-packages (from httpcore==0.9.*->httpx==0.
     Requirement already satisfied: hyperframe<6,>=5.2.0 in /usr/local/lib/python3.11/dist-packages (from h2==3.*->http
     Requirement already satisfied: hpack<4,>=3.0 in /usr/local/lib/python3.11/dist-packages (from h2==3.*->httpcore==0
!pip install SpeechRecognition pydub
→ Collecting SpeechRecognition
       Downloading speechrecognition-3.14.3-py3-none-any.whl.metadata (30 kB)
     Collecting pydub
       Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
     Requirement already satisfied: typing-extensions in /usr/local/lib/python3.11/dist-packages (from SpeechRecognitio
     Downloading speechrecognition-3.14.3-py3-none-any.whl (32.9 MB)
                                                  - 32.9/32.9 MB 29.8 MB/s eta 0:00:00
     Downloading pydub-0.25.1-py2.py3-none-any.whl (32 kB)
     Installing collected packages: pydub, SpeechRecognition
     Successfully installed SpeechRecognition-3.14.3 pydub-0.25.1
import speech_recognition as sr
reco = sr.Recognizer()
with sr.AudioFile("/content/tajwav.wav") as source:
  audio_data = reco.record(source)
  print("Translation: ",reco.recognize_google(audio_data))
Translation: view of a white building with a fountain in the middle
english_text = reco.recognize_google(audio_data, language='en-IN')
print("Translation:", english_text)
→ Translation: view of a white building with a fountain in the middle
from googletrans import Translator
```

```
translator = Translator()
translated = translator.translate(" view of a white building with a fountain in the middle", src='en', dest='te')
print("Telugu Translation:", translated.text)
🚁 Telugu Translation: మధ్యలో ఫ్రాంటెన్ ఉన్న తెల్ల భవనం యొక్క దృశ్యం
from gtts import gTTS
from IPython.display import Audio
telugu_text = "ಮಧ್ಯಲ್ ಫಾಂಪಾನ್ ఉన్న తెల్ల భవనం యొక్క దృశ్యం"
speech = gTTS(text=telugu_text, lang='te')
speech.save("tajmahal.mp3")
Audio("tajmahal.mp3")
₹
           0:01 / 0:03
from transformers import pipeline
img cls=pipeline('image-classification')
     No model was supplied, defaulted to google/vit-base-patch16-224 and revision 3f49326 (https://huggingface.co/googl
     Using a pipeline without specifying a model name and revision in production is not recommended.
                                                              69.7k/69.7k [00:00<00:00. 2.94MB/s]
     config.json: 100%
     Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP down
     WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not instal
     model.safetensors: 100%
                                                                    346M/346M [00:04<00:00, 85.3MB/s]
                                                                          160/160 [00:00<00:00, 2.76kB/s]
     preprocessor_config.json: 100%
     Fast image processor class <class 'transformers.models.vit.image_processing_vit_fast.ViTImageProcessorFast'> is av
     Device set to use cpu
img="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQP3G99LG0doGaGiXecF4xBWTvB5fucmJIxQA&s"
r=img_cls(img)
    [{'label': 'Labrador retriever', 'score': 0.885223388671875}, {'label': 'golden retriever', 'score': 0.07846732437610626},
      {'label': 'kuvasz', 'score': 0.012887442484498024},
      {'label': 'curly-coated retriever', 'score': 0.0015661275247111917},
      {'label': 'Sussex spaniel', 'score': 0.001219155383296311}]
det = pipeline("object-detection")
No model was supplied, defaulted to facebook/detr-resnet-50 and revision 1d5f47b (https://huggingface.co/facebook/
     Using a pipeline without specifying a model name and revision in production is not recommended.
     Some weights of the model checkpoint at facebook/detr-resnet-50 were not used when initializing DetrForObjectDetec
     - This IS expected if you are initializing DetrForObjectDetection from the checkpoint of a model trained on anothe
     - This IS NOT expected if you are initializing DetrForObjectDetection from the checkpoint of a model that you expe
     Device set to use cpu
r =det("https://plus.unsplash.com/premium_photo-1668704252725-52cc74ef3f39?fm=jpg&q=60&w=3000&ixlib=rb-4.1.0&ixid=M3wx
r
    [{'score': 0.9982910752296448,
        'label': 'vase',
        'box': {'xmin': 842, 'ymin': 2155, 'xmax': 2132, 'ymax': 3917}},
      {'score': 0.9963465332984924,
```

```
23/05/2025, 12:50
                                                              Untitled15.ipynb - Colab
           'label': 'laptop',
           'box': {'xmin': 1, 'ymin': 9, 'xmax': 2995, 'ymax': 4429}}]
    !pip install deepface librosa speechRecognition
    → lecting deepface
        pwnloading deepface-0.0.93-py3-none-any.whl.metadata (30 kB)
        sirement already satisfied: speechRecognition in /usr/local/lib/python3.11/dist-packages (3.14.3)
        sirement already satisfied: requests>=2.27.1 in /usr/local/lib/python3.11/dist-packages (from deepface) (2.32.3)
        irement already satisfied: numpy>=1.14.0 in /usr/local/lib/python3.11/dist-packages (from deepface) (2.0.2)
        jirement already satisfied: pandas>=0.23.4 in /usr/local/lib/python3.11/dist-packages (from deepface) (2.2.2)
        jirement already satisfied: gdown>=3.10.1 in /usr/local/lib/python3.11/dist-packages (from deepface) (5.2.0)
        jirement already satisfied: tqdm>=4.30.0 in /usr/local/lib/python3.11/dist-packages (from deepface) (4.67.1)
        jirement already satisfied: Pillow>=5.2.0 in /usr/local/lib/python3.11/dist-packages (from deepface) (11.2.1)
        jirement already satisfied: opencv-python>=4.5.5.64 in /usr/local/lib/python3.11/dist-packages (from deepface) (4
        jirement already satisfied: tensorflow>=1.9.0 in /usr/local/lib/python3.11/dist-packages (from deepface) (2.18.0)
        jirement already satisfied: keras>=2.2.0 in /usr/local/lib/python3.11/dist-packages (from deepface) (3.8.0)
        sirement already satisfied: Flask>=1.1.2 in /usr/local/lib/python3.11/dist-packages (from deepface) (3.1.1)
        lecting flask-cors>=4.0.1 (from deepface)
        >wnloading flask_cors-6.0.0-py3-none-any.whl.metadata (961 bytes)
        lecting mtcnn>=0.1.0 (from deepface)
        pwnloading mtcnn-1.0.0-py3-none-any.whl.metadata (5.8 kB)
        lecting retina-face>=0.0.1 (from deepface)
        >wnloading retina face-0.0.17-py3-none-any.whl.metadata (10 kB)
        lecting fire>=0.4.0 (from deepface)
        pwnloading fire-0.7.0.tar.gz (87 kB)
                                                87.2/87.2 kB 5.1 MB/s eta 0:00:00
        reparing metadata (setup.py) ... done
        lecting gunicorn>=20.1.0 (from deepface)
        >wnloading gunicorn-23.0.0-py3-none-any.whl.metadata (4.4 kB)
        jirement already satisfied: audioread>=2.1.9 in /usr/local/lib/python3.11/dist-packages (from librosa) (3.0.1)
        jirement already satisfied: numba>=0.51.0 in /usr/local/lib/python3.11/dist-packages (from librosa) (0.60.0)
        jirement already satisfied: scipy>=1.6.0 in /usr/local/lib/python3.11/dist-packages (from librosa) (1.15.3)
        jirement already satisfied: scikit-learn>=1.1.0 in /usr/local/lib/python3.11/dist-packages (from librosa) (1.6.1)
        jirement already satisfied: joblib>=1.0 in /usr/local/lib/python3.11/dist-packages (from librosa) (1.5.0)
        irement already satisfied: decorator>=4.3.0 in /usr/local/lib/python3.11/dist-packages (from librosa) (4.4.2)
        sirement already satisfied: soundfile>=0.12.1 in /usr/local/lib/python3.11/dist-packages (from librosa) (0.13.1)
        jirement already satisfied: pooch>=1.1 in /usr/local/lib/python3.11/dist-packages (from librosa) (1.8.2)
        jirement already satisfied: soxr>=0.3.2 in /usr/local/lib/python3.11/dist-packages (from librosa) (0.5.0.post1)
        sirement already satisfied: typing_extensions>=4.1.1 in /usr/local/lib/python3.11/dist-packages (from librosa) (4
        jirement already satisfied: lazy loader>=0.1 in /usr/local/lib/python3.11/dist-packages (from librosa) (0.4)
        jirement already satisfied: msgpack>=1.0 in /usr/local/lib/python3.11/dist-packages (from librosa) (1.1.0)
        jirement already satisfied: termcolor in /usr/local/lib/python3.11/dist-packages (from fire>=0.4.0->deepface) (3.
        jirement already satisfied: blinker>=1.9.0 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->deepfac
        jirement already satisfied: click>=8.1.3 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->deepface)
        jirement already satisfied: itsdangerous>=2.2.0 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->de
        jirement already satisfied: jinja2>=3.1.2 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->deepface
        sirement already satisfied: markupsafe>=2.1.1 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->deep
        jirement already satisfied: werkzeug>=3.1.0 in /usr/local/lib/python3.11/dist-packages (from Flask>=1.1.2->deepfa
        sirement already satisfied: beautifulsoup4 in /usr/local/lib/python3.11/dist-packages (from gdown>=3.10.1->deepfa
        irement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from gdown>=3.10.1->deepface) (3
        jirement already satisfied: packaging in /usr/local/lib/python3.11/dist-packages (from gunicorn>=20.1.0->deepface
        jirement already satisfied: absl-py in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (1.4
        jirement already satisfied: rich in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (13.9.4
        jirement already satisfied: namex in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (0.0.9
        jirement already satisfied: h5py in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (3.13.0
        jirement already satisfied: optree in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (0.15
        jirement already satisfied: ml-dtypes in /usr/local/lib/python3.11/dist-packages (from keras>=2.2.0->deepface) (0
        lecting lz4>=4.3.3 (from mtcnn>=0.1.0->deepface)
        ownloading lz4-4.4.4-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (3.8 kB)
        uirement already satisfied: llvmlite<0.44,>=0.43.0dev0 in /usr/local/lib/python3.11/dist-packages (from numba>=0.
   from deepface import DeepFace
   import librosa
```

```
import speech_recognition as sr
import numpy as np
→ 25-05-23 07:00:12 - Directory /root/.deepface has been created
     25-05-23 07:00:12 - Directory /root/.deepface/weights has been created
emotions = ['happy','sad','neutral','angry','fear','surprice']
```

```
r = DeepFace.analyze(img_path = '/content/jimin smile.jpg', actions = ['emotion'])
'disgust': np.float32(1.3174389e-07),
       'fear': np.float32(74.50147),
       'happy': np.float32(3.1286171e-09),
       'sad': np.float32(6.378527),
       'surprise': np.float32(0.0009804316),
       'neutral': np.float32(6.785988)},
      'dominant_emotion': 'fear',
      'region': {'x': 627,
       'y': 496,
       'w': 147,
       'h': 147,
       'left_eye': None,
       'right_eye': None},
      'face_confidence': np.float64(0.95)}
Start coding or generate with AI.
```

Start coding or generate with AI.

Start coding or generate with AI.

Start coding or generate with AI.