5/22/25, 9:07 AM ai\_agent\_for online meeting.ipynb - Colab !pip install pydub openai-whisper transformers langdetect googletrans==4.0.0-rc1 nltk !apt install ffmpeg Found existing installation: nvidia-cufft-cu12 11.2.3.61 ₹ Uninstalling nvidia-cufft-cu12-11.2.3.61: Successfully uninstalled nvidia-cufft-cu12-11.2.3.61 Attempting uninstall: nvidia-cuda-runtime-cu12 Found existing installation: nvidia-cuda-runtime-cu12 12.5.82 Uninstalling nvidia-cuda-runtime-cu12-12.5.82: Successfully uninstalled nvidia-cuda-runtime-cu12-12.5.82 Attempting uninstall: nvidia-cuda-nvrtc-cu12 Found existing installation: nvidia-cuda-nvrtc-cu12 12.5.82 Uninstalling nvidia-cuda-nvrtc-cu12-12.5.82: Successfully uninstalled nvidia-cuda-nvrtc-cu12-12.5.82 Attempting uninstall: nvidia-cuda-cupti-cu12 Found existing installation: nvidia-cuda-cupti-cu12 12.5.82 Uninstalling nvidia-cuda-cupti-cu12-12.5.82: Successfully uninstalled nvidia-cuda-cupti-cu12-12.5.82 Attempting uninstall: nvidia-cublas-cu12 Found existing installation: nvidia-cublas-cu12 12.5.3.2 Uninstalling nvidia-cublas-cu12-12.5.3.2: Successfully uninstalled nvidia-cublas-cu12-12.5.3.2 Attempting uninstall: idna Found existing installation: idna 3.10 Uninstalling idna-3.10: Successfully uninstalled idna-3.10 Attempting uninstall: h2 Found existing installation: h2 4.2.0 Uninstalling h2-4.2.0: Successfully uninstalled h2-4.2.0 Attempting uninstall: nvidia-cusparse-cu12 Found existing installation: nvidia-cusparse-cu12 12.5.1.3 Uninstalling nvidia-cusparse-cu12-12.5.1.3: Successfully uninstalled nvidia-cusparse-cu12-12.5.1.3 Attempting uninstall: nvidia-cudnn-cu12 Found existing installation: nvidia-cudnn-cu12 9.3.0.75 Uninstalling nvidia-cudnn-cu12-9.3.0.75: Successfully uninstalled nvidia-cudnn-cu12-9.3.0.75 Attempting uninstall: httpcore Found existing installation: httpcore 1.0.9 Uninstalling httpcore-1.0.9: Successfully uninstalled httpcore-1.0.9 Attempting uninstall: nvidia-cusolver-cu12 Found existing installation: nvidia-cusolver-cu12 11.6.3.83 Uninstalling nvidia-cusolver-cu12-11.6.3.83: Successfully uninstalled nvidia-cusolver-cu12-11.6.3.83 Attempting uninstall: httpx Found existing installation: httpx 0.28.1 Uninstalling httpx-0.28.1: Successfully uninstalled httpx-0.28.1 ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the sourc langsmith 0.3.42 requires httpx<1,>=0.23.0, but you have httpx 0.13.3 which is incompatible. google-genai 1.15.0 requires httpx<1.0.0,>=0.28.1, but you have httpx 0.13.3 which is incompatible. openai 1.78.1 requires httpx<1,>=0.23.0, but you have httpx 0.13.3 which is incompatible. Successfully installed chardet-3.0.4 googletrans-4.0.0rc1 h11-0.9.0 h2-3.2.0 hpack-3.0.0 hstspreload-2025.1.1 httpcore-0.9.1 httpx-0.1 Reading package lists... Done Building dependency tree... Done Reading state information... Done ffmpeg is already the newest version (7:4.4.2-0ubuntu0.22.04.1). 0 upgraded, 0 newly installed, 0 to remove and 34 not upgraded. from pydub import AudioSegment audio = AudioSegment.from\_file("/content/meeting audio.mp3", format="mp3")

```
audio.export("/content/meeting audio.wav", format="wav")
<_io.BufferedRandom name='/content/meeting audio.wav'>
import whisper
model = whisper.load_model("base")
result = model.transcribe("/content/meeting audio.wav")
transcript = result["text"]
print(transcript)
<del>→</del> 100%|
                                               | 139M/139M [00:00<00:00, 155MiB/s]
    /usr/local/lib/python3.11/dist-packages/whisper/transcribe.py:126: UserWarning: FP16 is not supported on CPU; using FP32 instead
      warnings.warn("FP16 is not supported on CPU; using FP32 instead")
     Thank you. This is the arm of Springfield meeting agenda for October the first 2024. That exactly 6 p.m. Call this meeting into order a
```

https://colab.research.google.com/drive/103zZBTZnpAUvX49 2HnmPNlrJXYjgwZb#printMode=true

```
from transformers import pipeline
import torch
summarizer = pipeline("summarization", model="facebook/bart-large-cnn", device=0 if torch.cuda.is_available() else -1)
max_transcript_length = 1000
if len(transcript) > max_transcript_length:
    transcript = transcript[:max_transcript_length]
    print(f"Transcript truncated to {max_transcript_length} characters.")
if not transcript.strip():
    summary = "Transcript is empty or too short to summarize."
else:
    summary = summarizer(transcript, max_length=150, min_length=30, do_sample=False)[0]['summary_text']
    print("Summary:", summary)
print("Summary:", summary)
→ Device set to use cpu
     Summary: The arm of Springfield acknowledges that we are gathered on ancestral lands. Treaty one territory, traditional territory of the
     Summary: The arm of Springfield acknowledges that we are gathered on ancestral lands. Treaty one territory, traditional territory of the
from transformers import pipeline
sentiment_pipeline = pipeline("sentiment-analysis")
sentiment = sentiment_pipeline(transcript)
print("Overall Sentiment:", sentiment)
    No model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0f (https://huggingface
     Using a pipeline without specifying a model name and revision in production is not recommended.
     config.json: 100%
                                                             629/629 [00:00<00:00, 47.4kB/s]
     Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download. For better perfc
     WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to r
                                                                    268M/268M [00:01<00:00, 159MB/s]
     model.safetensors: 100%
     tokenizer_config.json: 100%
                                                                      48.0/48.0 [00:00<00:00, 1.93kB/s]
     vocab.txt: 100%
                                                            232k/232k [00:00<00:00, 12.3MB/s]
     Device set to use cpu
     Overall Sentiment: [{'label': 'POSITIVE', 'score': 0.9992223978042603}]
qa pipeline = pipeline("question-answering")
question = "What was discussed in the meeting?"
qa_result = qa_pipeline(question=question, context=summary)
print("Q&A Result:", qa_result)
    No model was supplied, defaulted to distilbert/distilbert-base-cased-distilled-squad and revision 564e9b5 (https://huggingface.co/distil
     Using a pipeline without specifying a model name and revision in production is not recommended.
                                                              473/473 [00:00<00:00, 33.7kB/s]
     Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download. For better perfc
     WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to r
     model.safetensors: 100%
                                                                    261M/261M [00:01<00:00, 154MB/s]
     tokenizer config.json: 100%
                                                                      49.0/49.0 [00:00<00:00, 4.29kB/s]
     vocab.txt: 100%
                                                            213k/213k [00:00<00:00, 7.51MB/s]
     tokenizer.json: 100%
                                                                436k/436k [00:00<00:00, 17.0MB/s]
     Device set to use cpu
     Q&A Result: {'score': 0.2512718141078949, 'start': 77, 'end': 97, 'answer': 'Treaty one territory'}
from googletrans import Translator
translator = Translator()
translated = translator.translate(summary, dest='fr') # 'fr' for French
print("Translated Summary:", translated.text)
🚁 Translated Summary: Le bras de Springfield reconnaît que nous sommes rassemblés sur des terres ancestrales.Traité One Territory, Territc
```

```
import smtplib
from email.message import EmailMessage
SENDER_EMAIL = "ahalyabhavanam5@gmail.com"
APP_PASSWORD = "rilt qgdk fgkr nccb"
def send_email(summary, recipient):
    msg = EmailMessage()
    msg.set_content(summary)
    msg["Subject"] = "Meeting Summary"
    msg["From"] = SENDER_EMAIL
    msg["To"] = recipient
        with smtplib.SMTP_SSL("smtp.gmail.com", 465) as smtp:
           smtp.login(SENDER_EMAIL, APP_PASSWORD)
           smtp.send_message(msg)
        print("Email sent successfully!")
    except Exception as e:
        print("Failed to send email:", e)
summary_text = " Le bras de Springfield reconnaît que nous sommes rassemblés sur des terres ancestrales.Traité One Territory, Territoire trad
recipient_email = "ahalyabhavanam5@gmail.com" # Replace with a real email
send_email(summary_text, recipient_email)
→ Email sent successfully!
Start coding or generate with AI.
```