```python
# Clean up and install dependencies
!pip install numpy==1.23.5
!pip install torch
!pip install git+https://github.com/openai/whisper.git
!pip install noisereduce
!pip install scipy
!pip install spacy==3.7.5
!pip install scispacy==0.5.5
!pip install pydub
!pip install webrtcvad
!pip install streamlit
!apt-get install ffmpeg
```

Show hidden output

```python
pip install https://s3-us-west-2.amazonaws.com/ai2-s2-scispacy/releases/v0.5.
```

Show hidden output

```python
import spacy
nlp = spacy.load("en_core_sci_lg")
print("✅ en_core_sci_lg loaded!")
```

/usr/local/lib/python3.11/dist-packages/spacy/language.py:2195: FutureW
    deserializers["tokenizer"] = lambda p: self.tokenizer.from_disk(# ty
✅ en_core_sci_lg loaded!

◀ ━━━━━━━━━━━━━━━━━━━ ▶

```python
import whisper
import torch
import os
import re
import noisereduce as nr
import scipy.io.wavfile as wav
import spacy
import shutil
from pydub import AudioSegment
import webrtcvad
import collections
import numpy as np
from tempfile import NamedTemporaryFile
```

```python
# --- Install LocalTunnel ---
!npm install -g localtunnel
```

⠙⠹ ⠦⠴⠴⠦
    changed 22 packages in 909ms
    ⠴
    ⠴3 packages are looking for funding
    ⠴ run `npm fund` for details
    ⠴

```python
%%writefile app.py
```

Overwriting app.py

```python
!wget -q -O - ipv4.icanhazip.com
```

34.106.8.220

```python
!streamlit run app.py & npx localtunnel --port 8501
```

•••
    Collecting usage statistics. To deactivate, set browser.gatherUsageS

    ⠙⠹ ⠦⠴⠴⠦
      You can now view your Streamlit app in your browser.

---

app.py ✕   •••

```python
3  import torch
4  import os
5  import re
6  import noisereduce as nr
7  import scipy.io.wavfile as wav
8  import spacy
9  import shutil
10 from pydub import AudioSegment
11 import webrtcvad
12 import collections
13 import numpy as np
14 from tempfile import NamedTemporaryFile
15
16 # --- Load Models ---
17 asr_model = whisper.load_model("base")
18 nlp = spacy.load("en_core_sci_lg")
19
20 # --- Simple VAD ---
21 def simple_vad(audio_segment, aggressivenes
22     vad = webrtcvad.Vad(aggressiveness)
23     audio_segment = audio_segment.set_chann
24     samples = np.array(audio_segment.get_ar
25     sample_rate = 16000
26     frame_duration = 30  # ms
27     bytes_per_sample = 2
28     frame_size = int(sample_rate * frame_du
29     frame_step = frame_size // bytes_per_sa
30
31     speech = AudioSegment.empty()
32     for i in range(0, len(samples), frame_s
33         frame = samples[i:i + frame_step]
34         if len(frame) < frame_step:
35             break
```

Local URL: http://localhost:8501
Network URL: http://172.28.0.12:8501
External URL: http://34.106.8.220:8501

⁝ your url is: https://real-pillows-lose.loca.lt
/usr/local/lib/python3.11/dist-packages/spacy/language.py:2195: Futu
  deserializers["tokenizer"] = lambda p: self.tokenizer.from_disk(
2025-04-21 05:49:37.351 Examining the path of torch.classes raised:
Traceback (most recent call last):
  File "/usr/local/lib/python3.11/dist-packages/streamlit/web/bootst
    if asyncio.get_running_loop().is_running():
       ^^^^^^^^^^^^^^^^^^^^^^^^^^^
RuntimeError: no running event loop

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "/usr/local/lib/python3.11/dist-packages/streamlit/watcher/lo
    potential_paths = extract_paths(module)
                      ^^^^^^^^^^^^^^^^^^^^^
  File "/usr/local/lib/python3.11/dist-packages/streamlit/watcher/lo
    lambda m: list(m.__path__._path),
                   ^^^^^^^^^^^^^^^
  File "/usr/local/lib/python3.11/dist-packages/torch/_classes.py",
    proxy = torch._C._get_custom_class_python_wrapper(self.name, att
            ^^
RuntimeError: Tried to instantiate class '__path__._path', but it do
/usr/local/lib/python3.11/dist-packages/whisper/transcribe.py:126: U
  warnings.warn("FP16 is not supported on CPU; using FP32 instead")
/usr/local/lib/python3.11/dist-packages/scispacy/abbreviation.py:248
  global_matches = self.global_matcher(doc)
2025-04-21 05:50:20.648 Examining the path of torch.classes raised:
Traceback (most recent call last):
  File "/usr/local/lib/python3.11/dist-packages/streamlit/web/bootst
    if asyncio.get_running_loop().is_running():
       ^^^^^^^^^^^^^^^^^^^^^^^^^^^
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                   ^^^^^^^^^^^^^^^
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