

app.py 6 × requirements.txt style.css groq_client.py db.py ocr.py tts.py

C: > groq > app.py > ...

```
1 import os
2 import time
3 import json
4 import queue
5 import threading
6 import numpy as np
7 import av
8 import streamlit as st
9
10 # -----
11 # Page Config MUST be first
12 # -----
13 st.set_page_config(
14     page_title="⚡ GROQ PULSE",
15     page_icon="⚡",
16     layout="wide",
17     initial_sidebar_state="expanded",
18 )
19
20 # -----
21 # Load secrets from Streamlit's .toml config
22 # -----
```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\aqsa amber> cd "C:\groq"
PS C:\groq> Set-ExecutionPolicy RemoteSigned -Scope CurrentUser
PS C:\groq> .\venv\Scripts\Activate.ps1
(.venv) PS C:\groq> python -m pip install --upgrade pip
Requirement already satisfied: pip in c:\groq\.venv\lib\site-packages (25.0.1)
(.venv) PS C:\groq> pip install -r requirements.txt
Requirement already satisfied: streamlit==1.37.1 in c:\groq\.venv\lib\site-packages (from -r requirements.txt (line 2)) (1.37.1)
Requirement already satisfied: streamlit-webrtc==0.47.1 in c:\groq\.venv\lib\site-packages (from -r requirements.txt (line 3)) (0.47.1)
Requirement already satisfied: av==10.0.0 in c:\groq\.venv\lib\site-packages (from -r requirements.txt (line 4)) (10.0.0)
Requirement already satisfied: numpy<1.25,>=1.21.6 in c:\groq\.venv\lib\site-packages (from -r requirements.txt (line 5)) (1.24.4)
Requirement already satisfied: scipy<1.11,>=1.7.3 in c:\groq\.venv\lib\site-packages (from -r requirements.txt (line 6)) (1.10.1)
```

app.py 6 × requirements.txt style.css groq_client.py db.py ocr.py tts.py

C: > groq > app.py > ...

```
22 # -----
23 api_key = st.secrets.get("GROQ_API_KEY", "")
24 api_url = st.secrets.get("GROQ_API_URL", "https://api.groq.com/openai/v1/chat/completions")
25 tts_enabled_default = st.secrets.get("TTS_ENABLED", False)
26 tts_provider = st.secrets.get("TTS_PROVIDER", "pyttsx3")
27
28 st.write("API Key Loaded:", api_key[:5] + " " if api_key else "⚠ Not set")
29
30 # -----
31 # Local utils
32 # -----
33 import sys
34 sys.path.append(os.path.dirname(os.path.abspath(__file__)))
35
36 from utils.groq_client import GroqClient
37 from utils.ocr import extract_text_from_file
38 from utils.tts import speak_text_if_enabled
39 from utils.db import ConversationStore
40
41 # -----
42 # WebRTC (browser mic support) - Hybrid STT
43 # -----
44 from streamlit.webhooks import webhooks, AudioProcessorBase, WebRtcMode
```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Requirement already satisfied: pydeck<1,>=0.8.0b4 in c:\groq\.venv\lib\site-packages (from streamlit==1.37.1->-r requirements.txt (line 2)) (0.9.1)
Requirement already satisfied: tornado<7,>=6.0.3 in c:\groq\.venv\lib\site-packages (from streamlit==1.37.1->-r requirements.txt (line 2)) (6.4.2)
Requirement already satisfied: watchdog<5,>=2.1.5 in c:\groq\.venv\lib\site-packages (from streamlit==1.37.1->-r requirements.txt (line 2)) (4.0.2)
Requirement already satisfied: aiortc<2.0.0,>=1.4.0 in c:\groq\.venv\lib\site-packages (from streamlit-webrtc==0.47.1->-r requirements.txt (line 3)) (1.9.6)
Requirement already satisfied: comtypes in c:\groq\.venv\lib\site-packages (from pyttsx3==2.90->-r requirements.txt (line 16)) (1.4.12)
Requirement already satisfied: pypiwin32 in c:\groq\.venv\lib\site-packages (from pyttsx3==2.90->-r requirements.txt (line 16)) (223)
Requirement already satisfied: pywin32 in c:\groq\.venv\lib\site-packages (from pyttsx3==2.90->-r requirements.txt (line 16)) (311)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->-r requirements.txt (line 7)) (3.4.3)
Requirement already satisfied: idna<4,>=2.5 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->-r requirements.txt (line 7)) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->-r requirements.txt (line 7)) (2.2.3)
Requirement already satisfied: certifi>=2017.4.17 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->-r requirements.txt (line 7)) (2025.8.3)
Requirement already satisfied: greenlet!=0.4.17 in c:\groq\.venv\lib\site-packages (from sqlalchemy<2.1,>=1.4->-r requirements.txt (line 19)) (3.1.1)
```

app.py 6 X requirements.txt # style.css groq_client.py db.py ocr.py tts.py

C: > groq > app.py > ...

43 # -----
44 from streamlit webrtc import webrtc_streamer, AudioProcessorBase, WebRtcMode
45
46 USE_VOSK = False
47 vosk_model = None
48
49 try:
50 from vosk import Model, KaldiRecognizer
51 model_path = "vosk-model-small-en-us-0.15"
52 if os.path.exists(model_path):
53 vosk_model = Model(model_path)
54 USE_VOSK = True
55 st.success("👍 Using Vosk offline speech recognition")
56 else:
57 st.warning("⚠️ Vosk model not found, will use Google SpeechRecognition")
58 except ImportError:
59 st.warning("⚠️ Vosk not installed, using Google SpeechRecognition instead")
60
61 # Google fallback
62 import speech_recognition as sr
63
64 # -----

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Requirement already satisfied: pydeck<1.0,>=0.8.0b4 in c:\groq\.venv\lib\site-packages (from streamlit==1.37.1->r requirements.txt (line 2)) (0.9.1)
Requirement already satisfied: tornado<7,>=6.0.3 in c:\groq\.venv\lib\site-packages (from streamlit==1.37.1->r requirements.txt (line 2)) (6.4.2)
Requirement already satisfied: watchdog<5,>=2.1.5 in c:\groq\.venv\lib\site-packages (from streamlit==1.37.1->r requirements.txt (line 2)) (4.0.2)
Requirement already satisfied: aiortc<2.0.0,>=1.4.0 in c:\groq\.venv\lib\site-packages (from streamlit-webrtc==0.47.1->r requirements.txt (line 3)) (1.9.0)
Requirement already satisfied: comtypes in c:\groq\.venv\lib\site-packages (from pyttssx3==2.90->r requirements.txt (line 16)) (1.4.12)
Requirement already satisfied: pywin32 in c:\groq\.venv\lib\site-packages (from pyttssx3==2.90->r requirements.txt (line 16)) (223)
Requirement already satisfied: pywin32 in c:\groq\.venv\lib\site-packages (from pyttssx3==2.90->r requirements.txt (line 16)) (311)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->r requirements.txt (line 7)) (3.4.3)
Requirement already satisfied: idna<4,>=2.5 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->r requirements.txt (line 7)) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->r requirements.txt (line 7)) (2.2.3)
Requirement already satisfied: certifi>=2017.4.17 in c:\groq\.venv\lib\site-packages (from requests<3.0,>=2.28->r requirements.txt (line 7)) (2025.8.3)
Requirement already satisfied: greenlet!=0.4.17 in c:\groq\.venv\lib\site-packages (from sqlalchemy<2.1,>=1.4->r requirements.txt (line 19)) (3.1.1)

app.py 6 X requirements.txt # style.css groq_client.py db.py ocr.py tts.py

C: > groq > app.py > ...

65 # AudioProcessor classes
66 # -----
67 class VoskAudioProcessor(AudioProcessorBase):
68 def __init__(self):
69 self.q = queue.Queue()
70 self.recognizer = KaldiRecognizer(vosk_model, 16000)
71 self.running = True
72 self._last_text = None
73 self.thread = threading.Thread(target=self._process_audio, daemon=True)
74 self.thread.start()
75
76 def recv_audio_frame(self, frame: av.AudioFrame):
77 audio = frame.to_ndarray().flatten()
78 if audio.dtype != np.float32:
79 audio = audio.astype(np.float32)
80 np.clip(audio, -1.0, 1.0, out=audio)
81 pcm16 = (audio * 32767).astype(np.int16).tobytes()
82 try:
83 self.q.put_nowait(pcm16)
84 except queue.Full:
85 pass
86 return frame

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Requirement already satisfied: pygments<3.0.0,>=2.13.0 in c:\groq\.venv\lib\site-packages (from rich<14,>=10.14.0->streamlit==1.37.1->r requirements.txt (line 2)) (2.19.2)
Requirement already satisfied: dnspython>=2.0.0 in c:\groq\.venv\lib\site-packages (from aioice<1.0.0,>=0.9.0->aiortc<2.0.0,>=1.4.0->streamlit-webrtc==0.47.1->r requirements.txt (line 3)) (2.6.1)
Requirement already satisfied: ifaddr>=0.2.0 in c:\groq\.venv\lib\site-packages (from aioice<1.0.0,>=0.9.0->aiortc<2.0.0,>=1.4.0->streamlit-webrtc==0.47.1->r requirements.txt (line 3)) (0.2.0)
Requirement already satisfied: pyparser in c:\groq\.venv\lib\site-packages (from cffi>=1.0.0->aiortc<2.0.0,>=1.4.0->streamlit-webrtc==0.47.1->r requirements.txt (line 3)) (2.22)
Requirement already satisfied: smmap<6,>=3.0.1 in c:\groq\.venv\lib\site-packages (from gitdb<5,>=4.0.1->gitpython!=3.1.19,4,>=3.0.7->streamlit==1.37.1->r requirements.txt (line 2)) (5.0.2)
Requirement already satisfied: MarkupSafe>=2.0 in c:\groq\.venv\lib\site-packages (from jinja2>=3.0.0->streamlit==1.37.1->r requirements.txt (line 2)) (2.1.5)
Requirement already satisfied: attrs>=22.2.0 in c:\groq\.venv\lib\site-packages (from jsonschema>=3.0.0->altair<6,>=4.0.0->streamlit==1.37.1->r requirements.txt (line 2)) (25.3.0)
Requirement already satisfied: immutables in c:\groq\.venv\lib\site-packages (from jsonschema>=3.0.0->altair<6,>=4.0.0->streamlit==1.37.1->r requirements.txt (line 2)) (0.21)

```
app.py 6 X requirements.txt X style.css groq_client.py db.py ocr.py tts.py
C: > groq > app.py > ...
130 st.markdown(T <style>{t.read()}</style> , unsafe_allow_html=True)
131
132 # -----
133 # Session initialization
134 # -----
135 if "theme" not in st.session_state:
136     st.session_state.theme = "light"
137 if "settings" not in st.session_state:
138     st.session_state.settings = {
139         "temperature": 0.2,
140         "max_tokens": 512,
141         "top_p": 1.0,
142         "model": "llama3-8b-8192"
143     }
144 if "current_conversation" not in st.session_state:
145     st.session_state.current_conversation = None
146 if "messages" not in st.session_state:
147     st.session_state.messages = []
148 if "debug_mode" not in st.session_state:
149     st.session_state.debug_mode = False
150
151 # -----
152 # Initialize Groq client and database
```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Requirement already satisfied: pygments<3.0.0,>=2.13.0 in c:\groq\.venv\lib\site-packages (from rich<14,>=10.14.0->streamlit==1.37.1->-r requirements.txt (line 2)) (2.19.3)

Requirement already satisfied: dnspython>=2.0.0 in c:\groq\.venv\lib\site-packages (from aioice<1.0.0,>=0.9.0->aiohttp<2.0.0,>=1.4.0->streamlit-webrtc==0.47.1->-r requirements.txt (line 2)) (2.6.1)

Requirement already satisfied: ifaddr>=0.2.0 in c:\groq\.venv\lib\site-packages (from aioice<1.0.0,>=0.9.0->aiohttp<2.0.0,>=1.4.0->streamlit-webrtc==0.47.1->-r requirements.txt (line 2)) (0.2.0)

Requirement already satisfied: pycparser in c:\groq\.venv\lib\site-packages (from cffi>=1.0.0->aiohttp<2.0.0,>=1.4.0->streamlit-webrtc==0.47.1->-r requirements.txt (line 2)) (2.21.0)

Requirement already satisfied: smmap<6,>=3.0.1 in c:\groq\.venv\lib\site-packages (from gitdb<5,>=4.0.1->gitpython!=3.1.19,<4,>=3.0.7->streamlit==1.37.1->-r requirements.txt (line 2)) (5.0.2)

Requirement already satisfied: MarkupSafe>=2.0 in c:\groq\.venv\lib\site-packages (from jinja2>=2.11.1->streamlit==1.37.1->-r requirements.txt (line 2)) (2.1.5)

Requirement already satisfied: attrs>=22.2.0 in c:\groq\.venv\lib\site-packages (from jsonschema>=3.0.0->streamlit==1.37.1->-r requirements.txt (line 2)) (24.2.0)

```
app.py 6 X requirements.txt style.css groq_client.py db.py ocr.py tts.py
C: > groq > app.py > ...
267 finally:
268     elapsed = time.time() - start_time
269
270 response_placeholder.markdown(
271     f"<div class='msg assistant'>🤖 {assistant_content}</div>", unsafe_allow_html=True)
272
273 st.session_state.messages.append({"role": "assistant", "content": assistant_content})
274 st.session_state.current_conversation["messages"] = st.session_state.messages
275 store.save_conversation(st.session_state.current_conversation)
276 store.log_interaction(text_in, assistant_content, elapsed,
277     conversation_id=st.session_state.current_conversation["id"])
278
279 if st.session_state.get("tts_enabled"):
280     speak_text_if_enabled(assistant_content)
281
282 st.rerun()
283
284 # -----
285 # Footer
286 # -----
287 st.markdown("<div class='footer'>GROQ PULSE 🚀 Powered by Groq</div>", unsafe_allow_html=True)
288 st.markdown("</div>", unsafe_allow_html=True)
289
```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Requirement already satisfied: rpds-py>=0.7.1 in c:\groq\.venv\lib\site-packages (from jsonschema>=3.0.0->altair<6,>=4.0.0->streamlit==1.37.1->-r requirements.txt (line 2)) (0.20.1)

Requirement already satisfied: mdurl~0.1 in c:\groq\.venv\lib\site-packages (from markdown-it-py>=2.2.0->rich<14,>=10.14.0->streamlit==1.37.1->-r requirements.txt (line 2)) (0.1.2)

Requirement already satisfied: zipp>=3.1.0 in c:\groq\.venv\lib\site-packages (from importlib-resources>=1.4.0->jsonschema>=3.0.0->altair<6,>=4.0.0->streamlit==1.37.1->-r requirements.txt (line 2)) (3.20.2)

(.venv) PS C:\groq> streamlit run app.py --server.port=8606

2025-08-31 14:14:52.153

Warning: the config option 'server.enableCORS=false' is not compatible with 'server.enableXsrfProtection=true'. As a result, 'server.enableCORS' is being overridden to 'true'.