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22 min read

Jarvis Setup Guide

AI Consultant

SYSTEMS · 22 MIN READ · AUG 11, 2026

This project turns a double clap into a full desk workflow. Spotify starts, Chrome opens Claude, an ElevenLabs voice speaks a welcome line, and Cursor comes to the front, all from one Python script listening to your microphone. The code is open source, so you can read it, fork it, and change every part of the workflow to match your own setup. This is an AI workflow starter, not full automation: the clap orchestrates your apps, you still add your own AI tools, prompts, and habits on top of it.

WHAT YOU'LL SET UP

By the end of this guide, one double clap will trigger your whole desk startup. Along the way you'll install Python and VS Code, pull the Jarvis project down from GitHub, connect an ElevenLabs voice, and wire it all into one script that listens through your microphone.

Then you'll test it: clap twice and watch Spotify, Chrome, your ElevenLabs welcome line, and Cursor all fall into place.

STEP 1: INSTALL PYTHON

Go to python.org/downloads and download the latest Python 3 installer for Windows.

> **Important:** During install, check "Add python.exe to PATH" at the bottom of the first screen, then click Install Now.

Verify Python works. Open Command Prompt or PowerShell and run:

TERMINAL

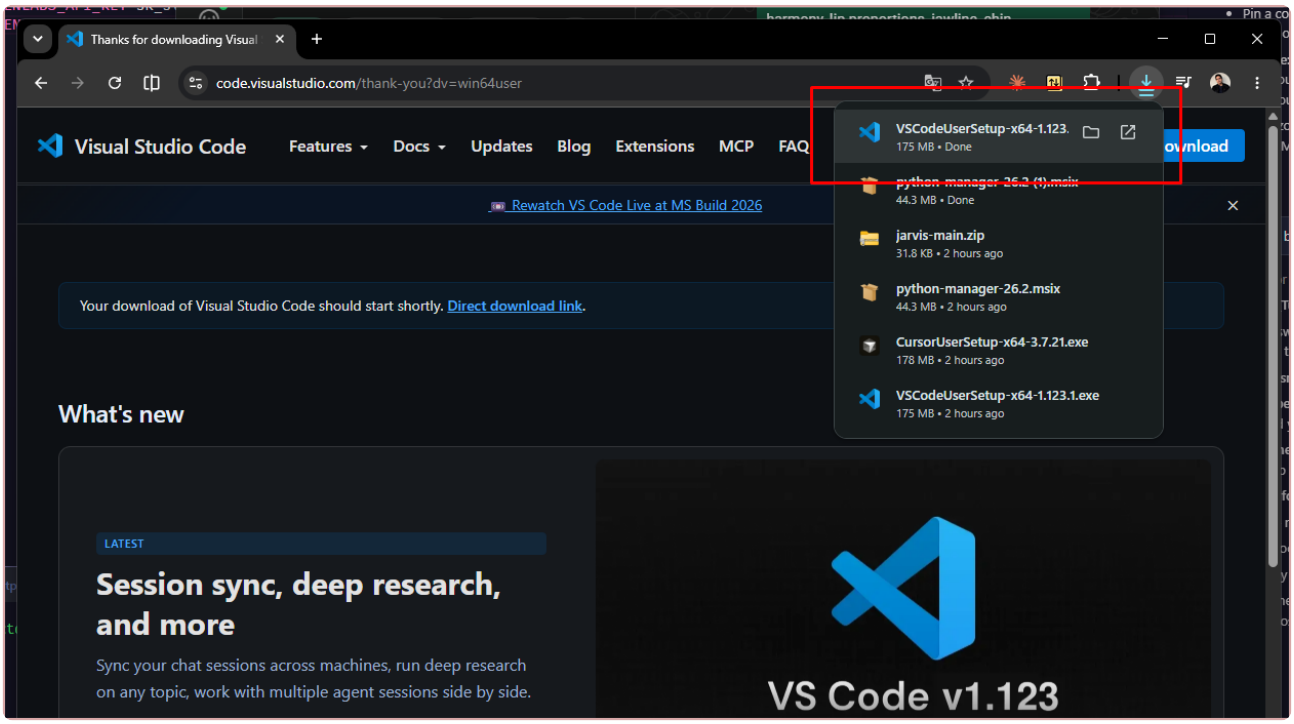
```
python --version
```

You should see something like Python 3.12.x

STEP 2: INSTALL VISUAL STUDIO CODE

Download: Visual Studio Code

Download the Windows installer, run it, and finish with the default options.

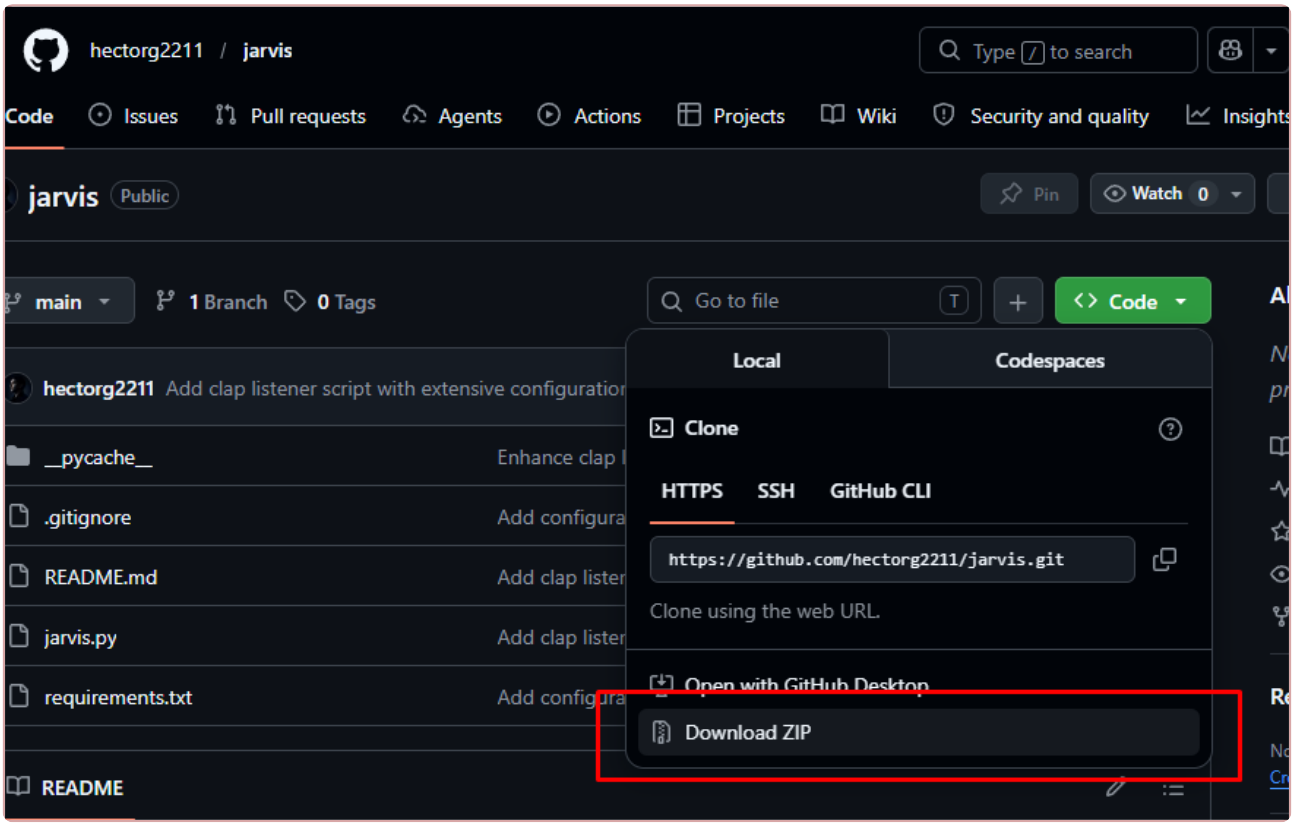


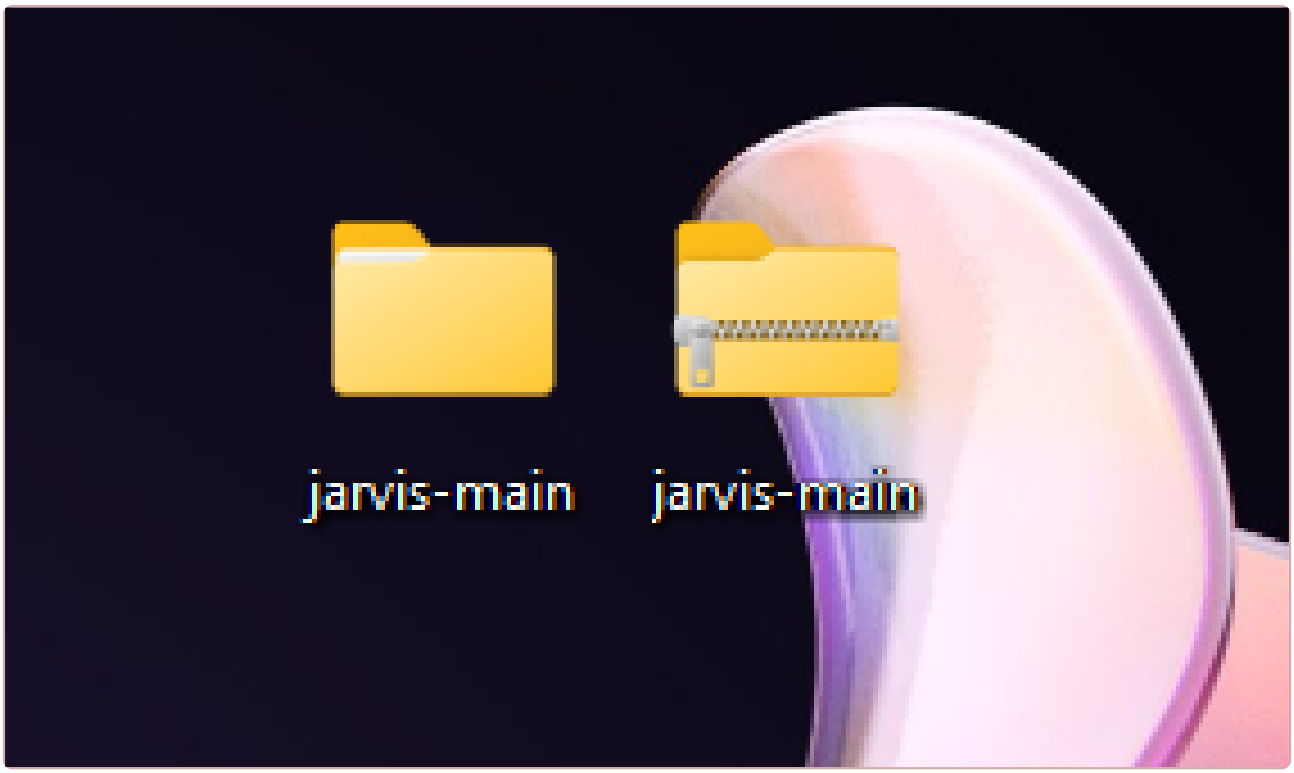
STEP 3: DOWNLOAD THE PROJECT FROM GITHUB

Repo: Jarvis on GitHub

On the GitHub page, click the green Code button, then Download ZIP.

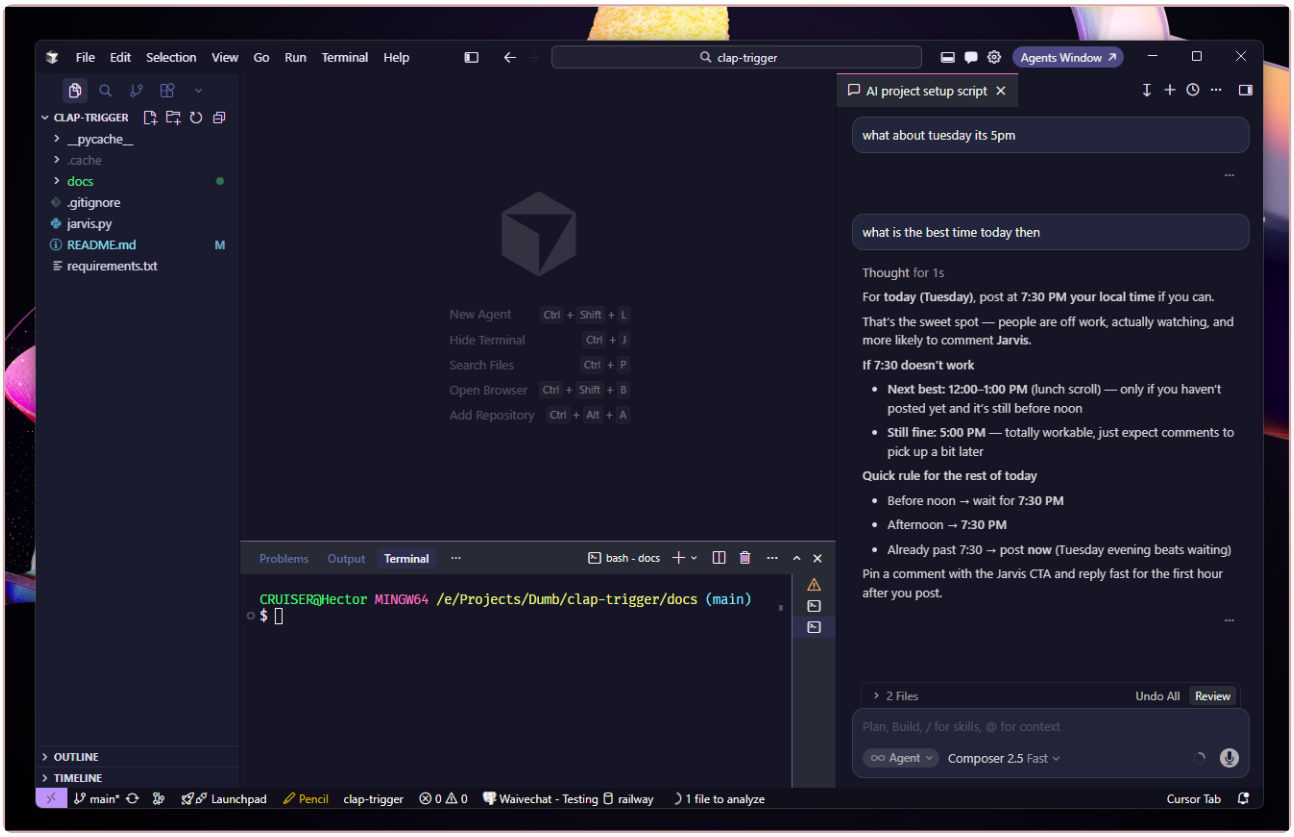
Extract the ZIP. You should have a folder containing at least `jarvis.py`, `requirements.txt`, and `README.md`.





STEP 4: OPEN THE PROJECT IN VS CODE

In VS Code: File, then Open Folder, then select the extracted jarvis-main folder.



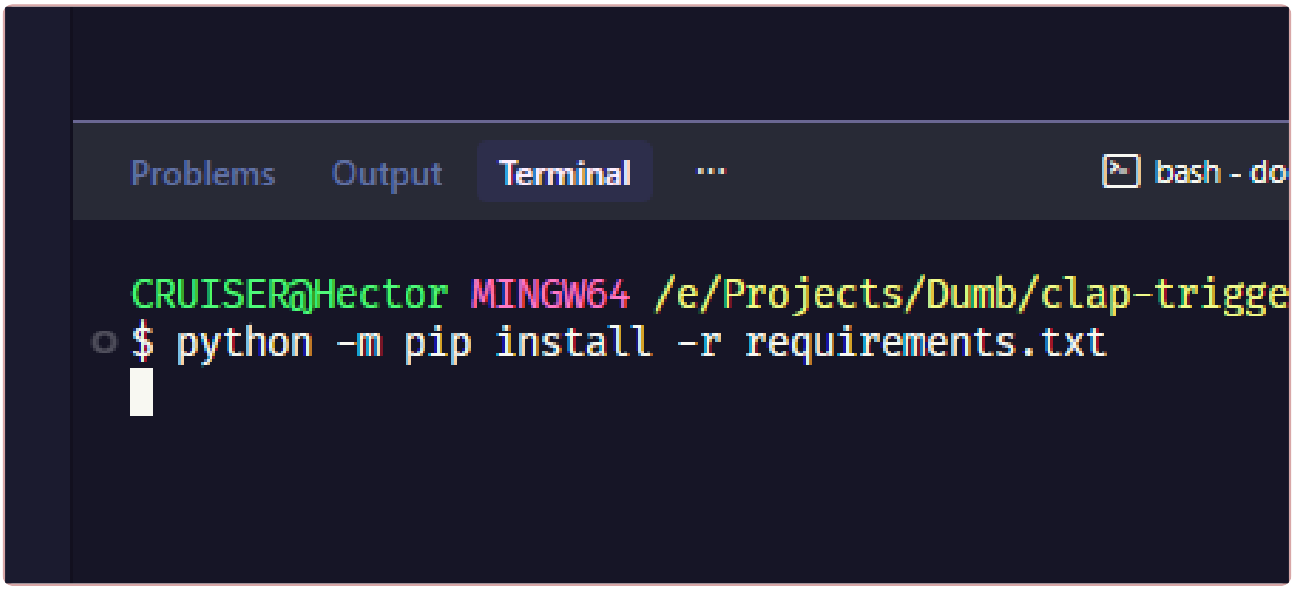
STEP 5: INSTALL PYTHON DEPENDENCIES

In VS Code: Terminal, then New Terminal. Make sure the terminal path is your project folder, then run:

TERMINAL

```
python -m pip install -r requirements.txt
```

Wait until it finishes without errors. This installs `numpy`, `sounddevice`, ElevenLabs, `python-dotenv`, and `websockets`.



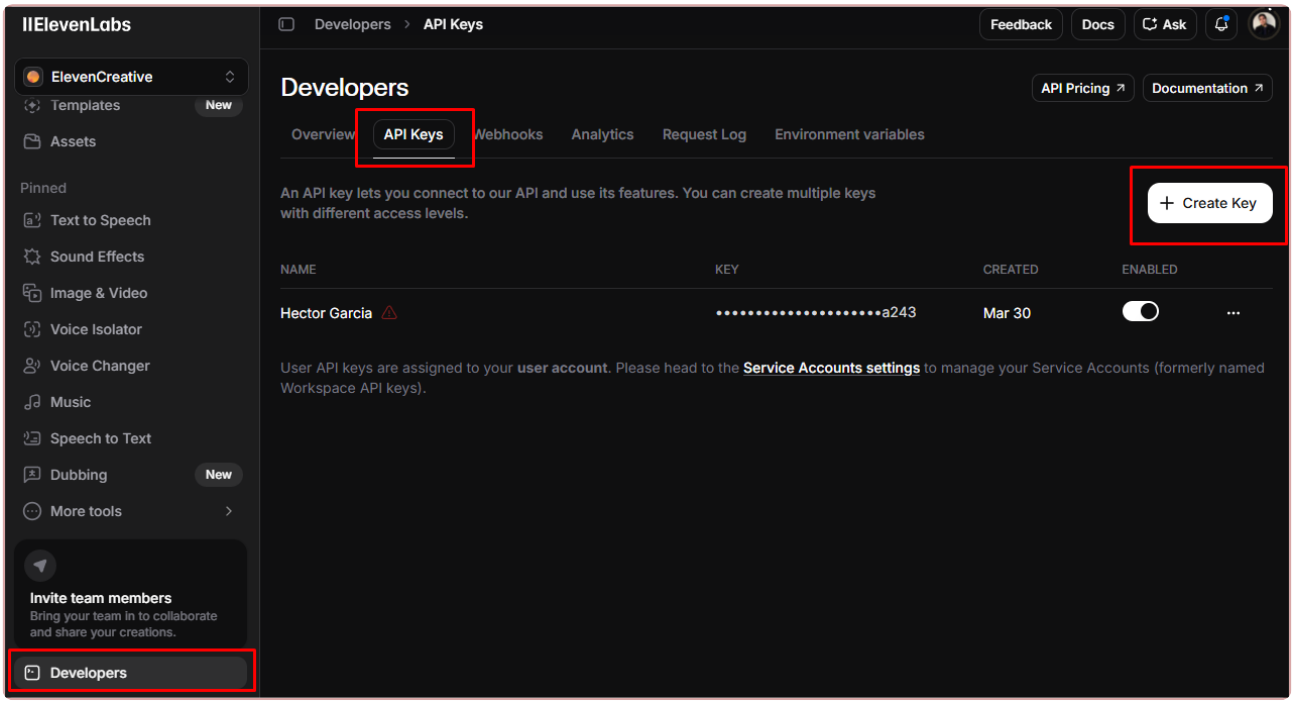
STEP 6: GET YOUR ELEVENLABS API KEY AND VOICE ID

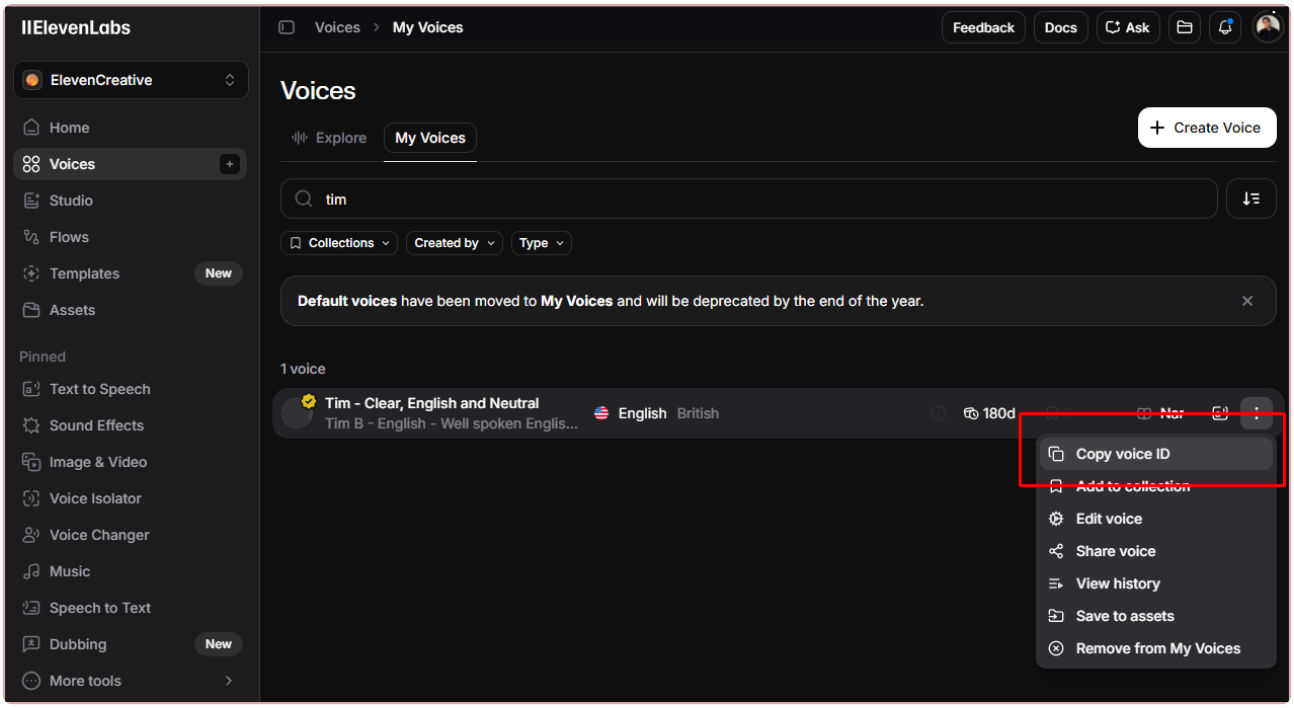
The Jarvis welcome voice uses ElevenLabs text to speech. You need a free or paid account, plus two values: an API key and a Voice ID.

Sign up or log in at ElevenLabs.

Create an API key: click Developers in the bottom left, then Profile and API key, then Create API key. Copy and save it somewhere safe.

Get your Voice ID: go to Voices, or My Voices, pick a voice you like, open its settings, and copy the Voice ID, a short alphanumeric string.





STEP 7: CREATE YOUR .ENV FILE

In VS Code, in the same folder as `jarvis.py`, create a new file named exactly `.env`

Paste the following and replace with your real values:

CODE

```
ELEVENLABS_API_KEY=your_key_here
ELEVENLABS_VOICE_ID=your_voice_id_here
```

Save the file with Ctrl+S.

> **Warning:** Never share your .env file or commit it to GitHub, it contains your private API key.

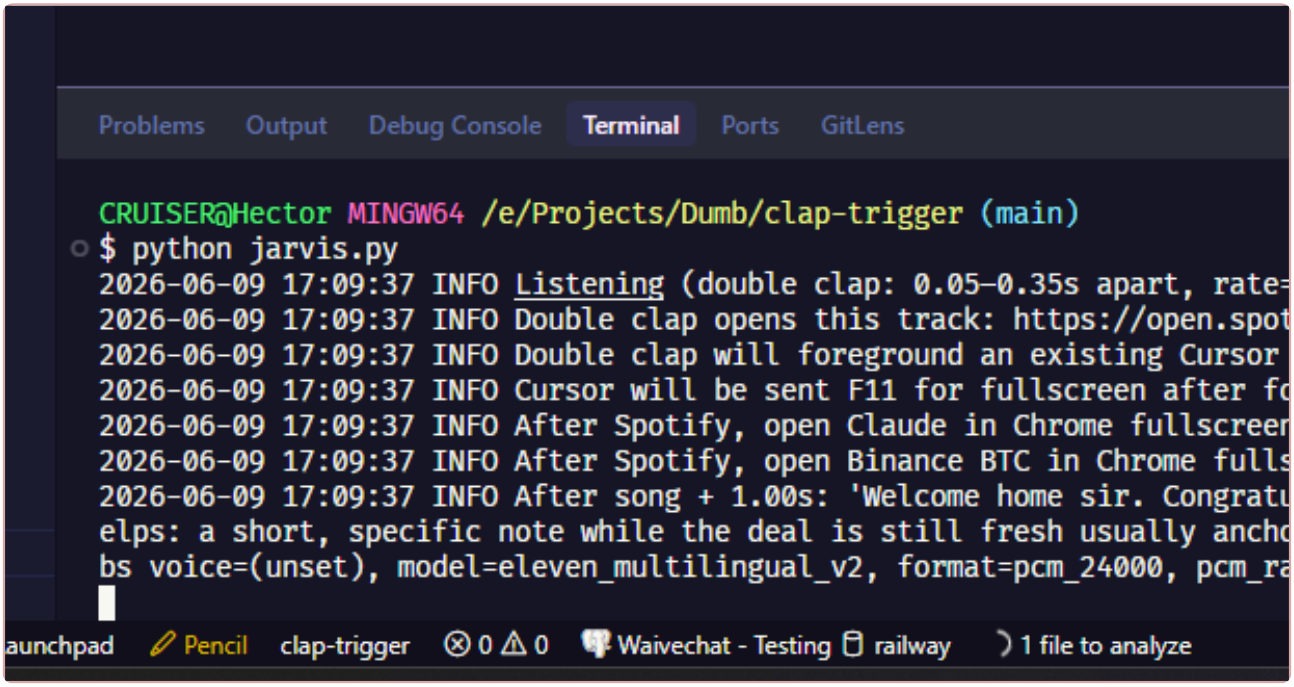
STEP 8: RUN JARVIS

In the VS Code terminal, run:

TERMINAL

```
python jarvis.py
```

If Windows asks for microphone access, click Allow. You should see log lines like Listening for double clap.



STEP 9: TEST THE DOUBLE CLAP

Clap twice quickly, about a tenth of a second apart. If everything is set up you should see all four of these happen. The welcome sequence runs once per session, press Ctrl+C and run python jarvis.py again to trigger it a second time.

- [ ] Spotify opens and plays your chosen track
- [ ] Claude opens in Google Chrome, fullscreen on your chosen monitor
- [ ] Jarvis speaks your welcome line via ElevenLabs
- [ ] Cursor is focused and sent fullscreen

STEP 10: CUSTOMIZE (OPTIONAL)

Open jarvis.py and edit the constants at the top of the file. Common changes are listed below.

CUSTOMIZATION SETTINGS

SETTING	WHAT IT DOES
`SONG_URI`	Spotify or YouTube URL that plays on clap
`JARVIS_WELCOME_PHRASE`	What Jarvis says out loud
`OPEN_CLAUDE_CODE_IN_CHROME`	Turn the Claude tab on or off
`CLAUDE_CODE_URL`	Which Claude URL opens, default is new chat
`FOCUS_EXISTING_CURSOR_ON_DOUBLE_CLAP`	Focus Cursor instead of opening a new window
`SPIKE_RATIO`	Lower means easier to detect claps, higher means fewer false triggers

SET VALUES WITHOUT EDITING CODE

You can also set optional URLs in .env instead of editing code:

CODE

```
CLAUDE_CODE_URL=https://claude.ai/new
```

TROUBLESHOOTING

PROBLEM	FIX
No reaction to claps	Clap closer to the mic. Lower `SPIKE_RATIO` slightly, for example 7.0 to 5.0. Check Windows Settings, System, Sound, Input, and pick the correct mic.
No welcome voice	Confirm `ELEVENLABS_API_KEY` and `ELEVENLABS_VOICE_ID` in .env. Restart the terminal and run jarvis.py again.
Wrong microphone	List devices with `python -c "import sounddevice as sd; print(sd.query_devices())"` then add `JARVIS_INPUT_DEVICE=0`, using your device index, to .env.
Audio or PortAudio error	Update sound drivers. Try changing `SAMPLE_RATE` to 48000 in jarvis.py.
Chrome or Cursor not opening	Install Chrome and Cursor. The script looks for cursor.exe in standard install paths.
Clap works once, then nothing	Expected, the welcome sequence runs once per process. Press Ctrl+C and start again.

QUICK LINKS

Project: Jarvis on GitHub

Python: Download Python

VS Code: Download Visual Studio Code

Voice: ElevenLabs

Claude: Claude

Cursor: Cursor

WORK WITH ME

Business owner looking to automate?

Book a free 30-minute discovery call. We'll pressure-test fit, scope, and what to build first.

hexgarcia.com/free-call

Questions? Reply to the newsletter or reach out via email.

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