**pyautogui**

pyautogui is a Python module used to **automate mouse movements, keystrokes, and GUI interactions**. It's commonly used for GUI automation tasks like:

* Moving the mouse
* Clicking, dragging, and scrolling
* Typing or pressing hotkeys
* Taking screenshots and locating images on the screen
* Automating repetitive tasks

Installation:

pip install pyautogui

Common Functions:

1. **Mouse Control**

import pyautogui

pyautogui.moveTo(100, 200) # Move mouse to (x=100, y=200)

pyautogui.click() # Click at current position

pyautogui.rightClick() # Right-click

pyautogui.doubleClick() # Double-click

pyautogui.dragTo(300, 400, duration=1) # Drag mouse to position

2. **Keyboard Control**

pyautogui.write('Hello world!', interval=0.1) # Type with 0.1s delay

pyautogui.press('enter') # Press a single key

pyautogui.hotkey('ctrl', 's') # Press CTRL+S

3. **Screen and Images**

screenshot = pyautogui.screenshot() # Take a screenshot

screenshot.save("screen.png")

location = pyautogui.locateOnScreen("button.png") # Find image on screen

if location:

pyautogui.click(location)

**4. Getting Screen Size and Position**

screenWidth, screenHeight = pyautogui.size()

currentMouseX, currentMouseY = pyautogui.position()