**Use your phone's camera with Python**

**Using the phone camera with Python is very useful for those who plan to build computer vision applications . These apps use the smartphone camera as a part of them. This free Python project runs on Windows 10 here. I hope it works for other operating systems as well. But if you are using Windows, don't worry and follow the mentioned steps :**

**The process of using the phone camera with Python**

* **First, install the OpenCV library in Python : pip install opencv -python**
* **IP Webcam application and install it on your smartphone .**
* **After installing the IP Webcam app , make sure your phone and computer are connected to the same network. Run the program on your phone and click on Start Server .**
* **After that, your phone's camera will open with an IP address at the bottom. Copy the IP address . Because to open your phone's camera in Python, we need to use it in the Python code .**

**Now let's code to see how we can open up your phone's camera for computer vision tasks in a free Python project :**

**import cv2**

**import numpy as np**

**url = "Your IP Address/video"**

**cp = cv2 . VideoCapture ( url )**

**while ( True ):**

**camera , frame = cap . read ()**

**if frame is not None :**

**CV2 . imshow ( "Frame" , frame )**

**q = cv2 . waitKey ( 1 )**

**if q == ord ( "q" ):**

**break**

**CV2 . destroyAllWindows ()**

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**After a few moments, an OpenCV window will appear and do the rest. Every time you press the key, the window will be closed. This is how to connect phone camera to Python for computer vision applications . The next step depends on how you use this feature .**

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