**Running Python Script on Booting in Raspberry Pi.**

**(Case Specific)**

**- Running Webstream on a specific IP address.**

1. <https://www.pyimagesearch.com/2016/05/16/running-a-python-opencv-script-on-reboot/>

Step 1: Create a .sh (Shell script) in /home/pi naming on-reboot.sh

Command: $ *sudo nano on-reboot.sh*

- This will open nano editor.

- Write the contents in it.

- For this case:

#!/bin/bash

Source /home/pi/project/my\_venv/bin/activate

cd /home/pi/project/pi-reboot

python webstreaming.py --ip 192.168.0.63

Important Points:

1. First line will activate the virtual environment.
2. The second line has the path of the file we have to execute.
3. File name and extension. And the ip(Case specific not general)
4. This ip address connected can see the live stream through this address.

Ctrl + X --> Y (For saving the file)

Press enter to exit.

**Step 2:** Open up .bashrc for configuration:

Command: $ *sudo nano .bashrc*

This will open a new file in nano editor.

Just put *./on-reboot.sh*  in the last line.

Again ctrl + x +y and then Enter.

**Step 3:** Reboot Now

*$ sudo reboot*

Will run smoothly.

Issues : 1. Camera is running in infinite loop. (Need to know how to interupt the stream)

Temporary Solution:

1. Remove the camera after shuting the pi down.
2. Delete the created *on-reboot.sh* file. --> the terminal will show an error of file not found.

(Prefer 2nd)