Install Driver:

File Name: Linux\_3.x.x\_4.x.x\_VCP\_Driver\_Source.zip

The bundle contains:

\* cp210x.c

\* Makefile

\* cp210x\_gpio\_example.c

\* cp210x\_gpio\_example\_gpiolib.c

\* build.sh

\* CP210x\_VCP\_Linux\_4.x\_Release\_Notes.txt

Build instrutions:

Ubuntu:

1. make ( your cp210x driver )

2. cp cp210x.ko to /lib/modules/<kernel-version>/kernel/drivers/usb/serial

3. insmod /lib/modules/<kernel-version/kernel/drivers/usb/serial/usbserial.ko

4. insmod cp210x.ko

To Run the Application simply go to Raspi-Lidar Directory:

* Change the index.html inside the templates folder

A black screen with red text

Description automatically generated

Change the IP for ESP-32 CAM and ESP-32 MOTOR based on your IP Range, than exit the html

* Return to Raspi-Lidar Directory, and connect to the python virtual environment using command “source venv/bin/activate”

A screen shot of a computer program

Description automatically generated

* Run the web server using “python test.py” command