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Week 1 Report

Github link: <https://github.com/kennych418/ECE180DA>

For this week’s lab, the goal was to set up the raspberry pi by flashing the OS onto its microsd storage, establishing a wired and wireless SSH connection, updating the raspberry pi’s package manager, establishing SFTP file transferring, setting up git and opencv, and applying the software to utilize the skills learned in the previous lab.

I was able to complete the objects of the lab. However, some of the difficulties I encountered were-

* Failure to flash raspberry pi OS onto my microSD.
* Inability to connect my raspberry pi to eduroam.
* Troubles using the wpa\_supplicant.conf file.
* Difficulties with wired SSH communication with the raspberry pi.
* Corrupt jpeg images from opencv due to extra bits from cv.read().

I resolved these issues respectively by-

* Flashing the OS using the lite version instead of the full and using my partner’s laptop.
* Using a hotspot instead of eduroam.
* Running the sudo raspi-config command instead of using the .conf file.
* Using a better microusb cable that makes contact better with the raspberry pi.
* Ignoring the warning, since the image was still captured and saved.