1. Setting up jetson nano

Used 128gb sd card, formatted it and etched jetpack 4.6.1 image onto it.

Connected, inserted and powered up gpu, and entered credentials (ahmed: barbie).

Installed, enabled and started ssh before taking ip address for setting remote connection.

Ran `apt search python3 | grep "python3\."` then `sudo apt install python3.8 python3.8-venv` then ` sudo apt install binutils` then this for pip ` sudo apt-get install python3-pip`.

Ran ` lscpu` for cpu info and ` sudo -s` for root user.

`sudo docker pull nvcr.io/nvidia/l4t-ml:r32.7.1-py3` for getting docker image.

`sudo docker run -it --rm --runtime nvidia --network host nvcr.io/nvidia/l4t-ml:r32.7.1-py3` for interactive session in docker container.

Made flask server and tested get and post with postman.

Set up google routes api, copied api keys and tested route code.

Ran `git clone https://github.com/NVIDIA/jetson-gpio.git ` to install jetson gpio library.

Ran `gedit test.py` in `jetson-gpio/samples` and pasted <https://github.com/makepluscode/jetson-nano-basic/blob/master/003-control-gpio/test-l298n-ena.py>.

Changed permissions by `chmod +x test.py`

Altered `jetson-gpio/lib/Jetson/GPIO/gpio\_pin\_data.py` line 604 with old formatted string.

Went back to ` jetson-gpio/samples` and ran `sudo ./run\_sample.sh test.py`.

Tested above with connected circuit of 12v dc motor and motor driver l289n.