/etc/rc.local file

#

# By default this script does nothing.

# Print the IP address

\_IP=$(hostname -I) || true

if [ “$\_IP” ]; then

printf “My IP address is %s\n” “$\_IP”

fi

python /home/pi/Downloads/bonus.py &

exit 0

This is our Raspberry pi’s rc.local file which runs when the Raspberry pi is booting. By adding our python script to this file, the python file bonus.pi is run when the Raspberry pi boots.

In our python file, we first sleep for 30 seconds, giving our Raspberry pi enough time to boot and connect to the wifi signal. Using this, we are then able to get the correct IP address for our Raspberry pi by calling the get\_ip() function. We display the IP address twice on the sensehat and then exit the program and thus complete the boot process of our Raspberry pi.