**Self-driving car with Rpi 4**

Gathering up all the required hardware and listing them all together is vital for the completion of the project. Here we find the steps that are required to complete the project. The project requirements are deeply studied and cross checked with multiple documentation.

<https://towardsdatascience.com/deeppicar-part-1-102e03c83f2c>

**Connecting an Arduino to Raspberry Pi**

Establishing an RPI with Arduino is a vital part of our operation. We have to ensure a successful connection between the Arduino and RPi. Error in the hardware connection will lead to critical problem in the self-driving car.

<https://oscarliang.com/raspberry-pi-and-arduino-connected-serial-gpio/>

**Python Coding**

The ideas and concepts are visualized and coding references are analyzed.

<https://pythonprogramming.net/robot-remote-control-car-with-the-raspberry-pi/>

**RASPBIAN OS**

Choosing RASPBIAN OS as the ideal OS for our RPi modeled self-driving car. Ubuntu was also taken into consideration but after studying documentations and model training demos RASPBIAN OS was finalized.

<https://www.instructables.com/HOW-TO-INSTALL-RASPBIAN-OS-IN-YOUR-RASPBERRY-PI/>