**Objectives**

I am fascinated by how system such as tesla and other automated systems like drones work. I like how they are able to get information from their surrouinding, process the information and act based on those information. Now I will want to focus my attention onto a self-driving car.

**What is a self-driving car**

A self-driving car (sometime called an autonomous car or driveless car) is a vehicle that uses a combincation of sensors, cameras, radar and AI to travel between destinations without a human operator. To qualify as fully autonomous, a vehicle must be able to navigate without human intervention to a predetermined destination over roads that have not been adapted for its use.

A close up of a text

Description automatically generated

**How self-driving cars work**

A screenshot of a computer

Description automatically generated

A white text on a white background

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a car

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a web page

Description automatically generated

[What are Self-Driving Cars and How Do They Work? (techtarget.com)](https://www.techtarget.com/searchenterpriseai/definition/driverless-car#:~:text=A%20self-driving%20car%20%28sometimes%20called%20an%20autonomous%20car,to%20travel%20between%20destinations%20without%20a%20human%20operator.)

**What is AI**

**Image recognition system**

**Machine learning**

**Neural networks**