

No	Example	Possible Input	Possible Output
1	A self-driving car	Imagine a Tesla car, it has been embedded with a lot of inputs such as images (road signs, vehicles, special signs and etc...) captured by cameras, sensor data, GPS data and driver's inputs. All these can be considered as input for auto pilot car. The car algorithm itself identify and recorded all the images captured by the cameras mounted in the car.	As output, we can consider all the movements when the car is in auto-pilot mode. For an example, recognising other vehicles, barriers, correct road, handling break, gear system, steering wheel and almost all the actions and decision taken by a car when the car is in auto pilot mode.
2	Netflix recommendation system	Mostly the user's behaviour can be considered as input here. Browsing history, search history, history of clicking on particular titles and etc...	As an output, Netflix generates all the relevant contents for you and giving you more recommendations to watch. Basically, it will personalised the content based on your preference.
3	Signature recognition	As an input, we can provide an image of a signature or patterns of the signature to recognise it well and improve the accuracy.	As an output, the system will give you a signal saying that the signature is matched to the original and it is genuine. Practically, each and every time signatures might have minor differences in that case it is possible to give a matching percentage with the original signature, so we can decide it is genuine if it is match more than 90% (We can set this criterion when we design the program).
4	Medical diagnosis	Generally, we have to provide inputs like reports (lab reports, testing reports, doctor's prescriptions and etc...), patient's medical history and so on.	The patient can generate different output based on the input that they provided. For example, treatment plan, possible diagnoses, prescription drug, details about current progress, information for their guardians and much more.