○ A self-driving car

Inputs:

- LiDar to measure distance from other objects in the road, speed and acceleration of itself and other vehicles and pedestrians.
- Cameras to identify pedestrians, cycles, traffic lights, potholes.
- Sensors to identify weather conditions, light levels.
- GPS to navigate to places, know speed limits, predict road closures.

Outputs:

- Steering, braking, accelerating safely and smoothly.
- Lights, indicators turn on when needed.

○ Netflix recommendation system

Inputs:

- Watch time and user rating of genres, actors, directors, languages, age rating, length of content.
- Info of all the content available on Netflix.
- Unwatched user content.
- User favourites and to watch list.
- Similarity of the above to other users.

Outputs:

- Recommends films and shows that are of the same or similar genre, actor, director, language, age rating and length that the user is likely to enjoy based on their preferences, behaviour and patterns from similar users.

○ Signature recognition

Inputs:

- Picture of the correct signature.
- Picture of the provided signature.

Outputs:

- Yes if the provided signature matches the correct signature.
- No if not.

○ Medical diagnosis

Inputs:

- Symptoms of the patient, Medical history, Current and past medication/treatments, Age, Sex, Ethnicity.

Outputs:

- Narrows down the possible disease/illness they could be suffering from based on which symptoms closely match the disease/illness.