

Self driving car :

Input: Radar sensors. They monitor the position of the car and vehicles nearby (reference synopsys.com)

Output: Driving instructions. For example, the car gives you instructions for when to brake

Netflix recommendation system :

Input: Users watch history. The user is inputting into the system what shows they watch

Output: Recommendations for TV shows. Netflix is using the user's history to show what shows they might watch and enjoy

Signature Recognition :

Input: An image of a person's signature. The person is inputting an image of their signature to the system.

Output: A decision of whether the signature is identified. The system uses the image to verify whether it is a proper signature or not.

Medical Diagnosis :

Input: Symptoms. The user gives their symptoms of what they are feeling

Output: Predicted diagnosis. The systems give a prediction for what illness a person might have