**Self-driving car:**

Input: A self-driving car could receive a range of inputs such as sensor data from cameras.

Output: A range of outputs such as controlling the steering wheel, speed, and brakes, making decisions on route, detecting and avoiding obstacles

**Netflix recommendation system:**

Input: The Netflix recommendation system can receive several types of inputs such as user viewing history, data such as the time of day, location, and device used to access Netflix.

Output: A range of outputs such as suggesting relevant movies or TV shows to watch, personalized playlist for different age group.

**Signature recognition:**

Input: For signature recognition, the input could be an image of a scanner.

Output: The output could be the identification of the person who made the signature.

**Medical diagnosis:**

Input: For medical diagnosis, the input could be a range of data such as patient symptoms, medical history, and physical examination.

Output: The output could be a diagnosis of the patient's medical condition for a specific disease, recommendations for further diagnostic tests or treatments based on the diagnosis.