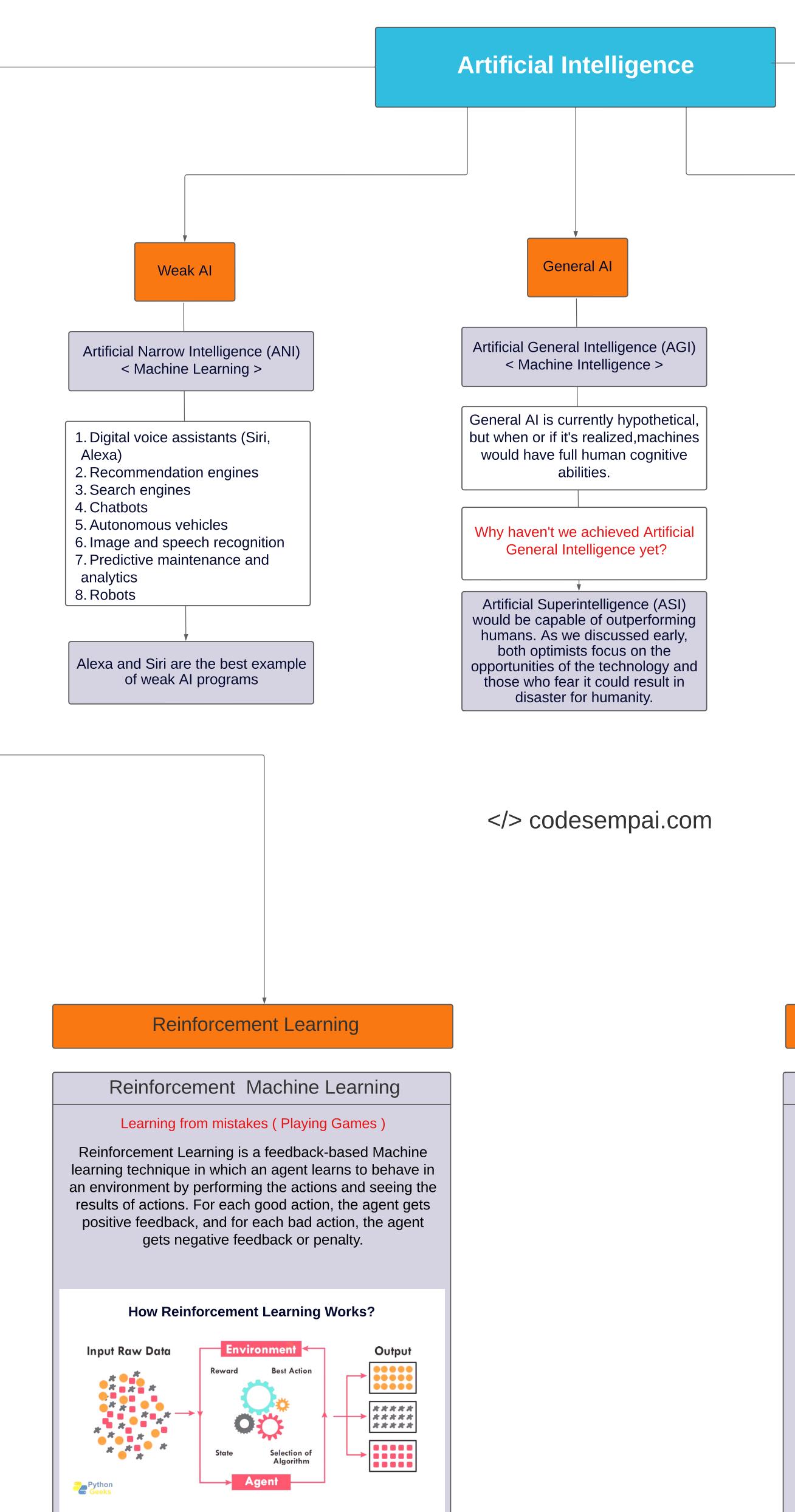
## Q.What is meant by general AI? Artificial general intelligence (AGI) is the representation of generalized human cognitive abilities in software so that, faced with an unfamiliar task, the AGI system could find a solution. The intention of an AGI system is to Weak Al perform any task that a human being is capable of. Q.What is an example of general AI? Artificial general intelligence (AGI) is the representation of generalized human cognitive Alexa) abilities in software so that, faced with an unfamiliar task, the AGI system could find a 3. Search engines solution. The intention of an AGI system is to 4. Chatbots perform any task that a human being is 5. Autonomous vehicles capable of. analytics 8. Robots **Machine Learning** Deep learning is a subset of machine learning, which is essentially a neural network with three or more layers. These neural networks attempt to simulate the behavior of the human brain—albeit far from matching its ability—allowing it to "learn" from large amounts of data. Supervised Learning Unsupervised Learning Supervised Machine Learning Unsupervised Machine Learning Task Driven (Classification / Regression) Data Driven (Clusternig) Supervised learning is the types of machine learning in we learned supervised machine learning in which models which machines are trained using well "labelled" training are trained using labeled data under the supervision of data, and on basis of that data, machines predict the training data. But there may be many cases in which we output. The labelled data means some input data is do not have labeled data and need to find the hidden already tagged with the correct output. patterns from the given dataset. So, to solve such types of cases in machine learning, we need unsupervised learning techniques. **How Supervised Learning Works? How Unsupervised Learning Works?** \* \* \* Output Output Input Raw Data Input Raw Data Algorithm



STRONG A Here Are 9 Practical Examples of STRONG AI Generalize knowledge and apply it as applicable to different circumstances Use knowledge and experience acquired to plan for the Alter and adapt to circumstances as things shift Ability to reason Solve a puzzle Exhibit common sense Consciousness Beyond mathematical equations Discern needs and emotions Artificial Neutral network [ ANN ] Artificial Neutral network [ ANN ] Helpful for solving complex problems. Artificial Neural Network(ANN), is a group of multiple perceptrons or neurons at each layer. ANN is also known as a Feed-Forward Neural network because inputs are processed only in the forward direction.

essentially a neural network with three or more layers. These neural networks attempt to simulate the behavior of the human brain—albeit far from matching its ability—allowing it to "learn" from large amounts of data. Convolutional Neutral network [ CNN ] Convolutional Neutral network [ CNN ] Best for solving Computer Vision-related problems. Convolutional neural networks (CNN) are one of the most popular models used today. This neural network computational model uses a variation of multilayer perceptrons and contains one or more convolutional layers that can be either entirely connected or pooled. These convolutional layers create feature maps that record a region of image which is ultimately broken into rectangles and sent out for nonlinear processing. Conv\_1 Convolution (5 x 5) kernel valid padding

Deep Learning

Deep learning is a subset of machine learning, which is

Recurrent Neutral network [ CNN ]

Recurrent Neutral network [ CNN ]

Proficient in Natural Language Processing.

Recurrent neural networks (RNN) are more complex.

They save the output of processing nodes and feed the result back into the model (they did not pass the information in one direction only). This is how the model is said to learn to predict the outcome of a layer.

Hidden Layer

Output Layer