Artificial Intelligence

Artificial intelligence is a field of computer science which makes a computer system that can mimic human intelligence. It is comprised of two words "**Artificial**" and "**intelligence**", which means "a human-made thinking power." Hence we can define it as,

Artificial intelligence is a technology using which we can create intelligent systems that can simulate human intelligence.

The Artificial intelligence system does not require to be pre-programmed, instead of that, they use such algorithms which can work with their own intelligence. It involves machine learning algorithms such as Reinforcement learning algorithm and deep learning neural networks. AI is being used in multiple places such as Siri, Google?s AlphaGo, AI in Chess playing, etc.

Based on capabilities, AI can be classified into three types:

- Weak AI
- General AI
- Strong AI

Currently, we are working with weak AI and general AI. The future of AI is Strong AI for which it is said that it will be intelligent than humans.

Key differences between Artificial Intelligence (AI) and Machine learning (ML):

Artificial Intelligence	Machine learning
Artificial intelligence is a technology which enables a machine to simulate human behavior.	Machine learning is a subset of AI which allows a machine to automatically learn from past data without programming explicitly.
The goal of AI is to make a smart computer system like humans to solve complex problems.	The goal of ML is to allow machines to learn from data so that they can give accurate output.
In AI, we make intelligent systems to perform any task like a human.	In ML, we teach machines with data to perform a particular task and give an accurate result.
Machine learning and deep learning are the two main subsets of AI.	Deep learning is a main subset of machine learning.
AI has a very wide range of scope.	Machine learning has a limited scope.

can perform various complex tasks. AI system is concerned about maximizing the chances of success. The main applications of AI are Siri, customer support using catboats, Expert System, Online game playing, intelligent humanoid robot, etc. On the basis of capabilities, AI can be divided into three types, which are, Weak AI, General AI, and Strong AI. The main applications of machine learning are Online recommender system, Google search algorithms, Facebook auto friend tagging suggestions, etc. Machine learning is mainly concerned about accuracy and patterns. The main applications of machine learning are Online recommender system, Google search algorithms, Facebook auto friend tagging suggestions, etc. Machine learning are Online recommender system, Google search algorithms, Facebook auto friend tagging suggestions, etc. Machine learning are Online recommender system, Google search algorithms, Facebook auto friend tagging suggestions, etc. Machine learning are Online recommender system, Google search algorithms, Facebook auto friend tagging suggestions, etc. Machine learning is mainly concerned about accuracy and patterns.		
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