Artificial Intelligence

1. What is Artificial Intelligence ?

* Artificial Intelligence is the capability of a computer system to mimic human cognitive function such as learning and problem solving.
* Through AI, a computer system uses math and logic to simulate the reasoning that people use to learn from new information and make decisions.

1. Qualities of Artificial Intelligence ?

* Although there is no uniformly agreed upon definition, AI generally is thought to refer to machines that respond to simulation consistent with traditional responses from humans.
* According to researches these software systems make decisions which normally require human level of expertise and help people anticipate problems or deal with issues as they come up.
  1. Intentionality
* Artificial intelligence algorithms are designed to make decisions, often using real time data. They are unlike passive machines that are capable only of mechanical responses. Using sensors, digital data, remote inputs, they combine information from a variety of different sources and analyze the data.
  1. Intelligence
* AI generally is undertaken in conjunction with machine learning and data analytics. Machine learning takes data and looks for underlying trends. If it spots something that is relevant to the practical problem, software designers can take that knowledge and use it to analyze specific issues.
  1. Adaptability
* AI systems have the ability to learn and adapt as they make decisions. in the transportation area, for example semi-autonomous vehicles have tools that let drivers and vehicles know about upcoming highway construction, or other possibilities like traffic. They use advanced algorithms and camera systems.

1. AI Tools In Market

* There are many AI tools currently in the market out of which one of the famous is ChatGPT.
  1. ChatGPT
* ChatGPT is created by OpenAI, an AI research based in San Francisco, created and launched ChatGPT on November 30,2022.
* ChatGPT is an artificial intelligence chatbot capable of having conversations with people and generating unique, human-like text responses. By using a large language model (LLM), which is trained on vast amounts of data from internet, ChatGPT can answer questions, compose essays, offer advice and write code in fluent and natural way.
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