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Artificial intelligence v/s Human Intelligence

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Abstract: This article is about Artificial intelligence: brief introduction of AI and how Artificial Intelligence is different from human intelligence. The working mechanism of AI and how we AI is playing a vital role in our daily life. We are surrounded by the applications of Artificial intelligence and being used in every field of life. It is becoming better day by day. AI is a vital factor in our future also. Many machines are replacing humans and increasing the efficiency of the work also. Life will be very different without AI.

Keywords: Artificial Intelligence, algorithms, digital machine, cognitive learning, cognitive computing, computer vision, data

mining, neural networks, chat bots, Binsera C Corporation.

Introduction to AI: Artificial intelligence (AI) is the capability of a digital machine or computer-restricted automat Ion to execute everyday jobs generally linked with intelligent beings. The term is frequently applied to projects that develop systems with human-characteristic intellectual processes, such as reasoning, finding meaning, generalizing, or the ability to learn from experience. Since the development of digital computers in the 1940s, computers have proven and can be programmed to perform very complex tasks, such as discovering proofs of mathematical theorems and playing chess. Till now, despite the current advancement in computer processing memory capacity and speed, no program can compete for human flexibility in a wider

area or in tasks that require a lot of daily basis knowledge. On the other hand, some programs have reached the level of human or professional performance in performing certain tasks, so artificial intelligence in this limited sense is a medical diagnostic, computer search engine; it can be found in various applications such as voice or handwriting recognition.

What is intelligence?

Everything but simple human behavior is due to intelligence, but even the most complex insect behavior is not considered an indicator of intelligence. What is the difference? Consider the behavior of the digging bee, *Sphexichneumon*. When the female bee returns to the burrow with food, it first places it on the sill and checks for intruders into the tunnel. Then carry food in only if the beach is clear. The essence of the bee's instinctive behavior becomes apparent when the bait moves a few inches away from the entrance to the burrow. When it appears, it repeats the entire procedure each time the bait moves. Intelligence (which is not noticeable in the case of *Sphex*) must include the ability to adapt to new situations.

Psychologists usually differentiate human intelligence not by only one characteristic, but by a mixture of many different abilities. AI research focuses mainly on the subsequent elements of intelligence: learning, reasoning, problem-solving, perception, and the use of language.

RESEARCH ARTICLE**How is artificial intelligence different from human intelligence?**

So how is AI different from human intelligence? Artificial intelligence and its structure that perform this intelligence are intended by humans, and computers can study from their environment to become familiar or develop, after all, they were created by humans. Human intelligence has far greater capabilities for multitasking, memory, social interaction, and self-awareness. There is no IQ in artificial intelligence. It is very different from human beings and human intelligence. There are so many aspects of thinking and decision-making that artificial intelligence cannot simply be mastered. Calculating emotions, no matter how clever, can't train a machine. You cannot automate multitasking or create autonomous relationships. Cognitive learning and machine learning are always unique and separated from each other. AI applications can run fast, are more intentional and exact, but their functionality stops at being capable to replace human intelligence. There is so much in human thinking that we cannot teach a machine, no matter how intelligent it is or what formula it uses.

How does AI work?

Knowing what AI is one thing, but understanding the underlying functionality is another. Artificial intelligence works by processing data through sophisticated algorithms. Combine large datasets and their algorithms to learn from patterns and

characteristics of your data. AI systems have many theories and subfields, including:

Machine learning Mechanism: Machine learning utilizes complex links to discover unknown insights from information without programming what to come across for and what to terminate. Machine learning is a general method for programs to discover the pattern and enhance their intelligence with time.

Deep learning: Deep learning utilizes a huge neural network with many layers that takes advantage of its size to process large amounts of data in complex patterns. Deep learning is an element of machine learning that grows datasets and layers.

Cognitive computing: Cognitive computing aims to interact with machines like humans. Think of a robot that can see, hear, and react like a human.

Computer vision: In AI, computer vision uses pattern recognition and deep learning to understand images and videos. This means that the machine can look around in real-time, take pictures and videos, and interpret the surroundings.

The overall goal of AI is to create software that can learn about inputs and explain the results with their outputs. Artificial intelligence provides human-like interactions, but it does not immediately replace humans.

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Artificial intelligence is used in hundreds of ways around us. It changed our world and made our lives more convenient and interesting. Some of the many uses of AI you may know are:

Voice recognition: Most people know to call Siri when they need directions or ask Alexa in their smart home to set a timer. This technology is a form of artificial intelligence. Machine learning helps Siri, Alexa, and other speech recognition devices learn about you and your tastes and help you know how to help you. These tools also make the most of artificial

intelligence to obtain an answer to the question and complete the tasks they request.

Self-driving car: Self-driving cars use machine learning and visual recognition to help the vehicle understand and react accordingly. Biometric systems and Facial recognition assist self-driving cars system and keep people protected. These cars can study and adapt to traffic patterns, signals, and much more.

Chatbots: Many companies are using artificial intelligence to strengthen their customer service teams. Chatbots can interact with customers and answer common questions without using real human time. They can learn and adapt to a

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particular response and get more information to help them produce different outputs. Certain words can trigger them to give a particular definition in response. This expert system gives customers and human-level interaction.

Online shopping: Online shopping systems use algorithms to learn about preferences and predict what you want to buy. Then they can put those items in front of you, helping them get your attention quickly. Amazon and other retailers are constantly working on their algorithms to learn more about you and what you might buy.

Streaming service: If you sit down and watch your favorite TV show or listen to your favorite music, you may see other suggestions that you may find interesting. That's the artificial intelligence that's working! It learns about your tastes and uses algorithms to process all the TV shows, movies, or music, and finds patterns to give you suggestions.

Healthcare technology: AI plays a vital role in healthcare technology as it leverages all new tools such as diagnostics, drug development, and patient monitoring. Technology can learn and

develop as being used, learn more about patients or drugs, and adapt to improve and improve over time.

Factory and warehouse system: Thanks to AI-related software, the shipping, and retail industries will never be the same. A structure that automates the whole shipping method and learns as it goes will assist types of equipment to work quicker and more professionally. The entire system is transforming the way warehouses, factories operate, making them safer and more productive.

Educational tool: Something just like a plagiarism checker or citation finder helps educators and students use artificial intelligence to enhance their dissertation and research. Artificial intelligence systems can read the words used and use databases to quickly investigate everything they know. That allows you to see spelling, grammar, stolen content, and more.

There are many other uses of AI around us, and technology is advancing rapidly, constantly changing our lives.

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Future of AI Technology:

Artificial intelligence is influencing the upcoming of virtually every industry and each human being. Artificial intelligence is implemented as the key driver of promising technologies such as big data, robotics, and IoT and maintains to perform as an improvement innovator for the expected future.

AI Technology is being used and affecting our daily life as the door to the future is vast about how it influences us. AI-driven technology keeps on improving effectiveness and yield and the potential to develop into more organizations with time. Professional says that as AI proceeds, there might be a further contest concerning privacy, safety, and current software development to remain people and business secure.

Many people are worried that robots will take over, but in reality, many areas are fairly safe from automation. Areas such as IT will continue to be needed to adopt new technologies and

security systems that run AI. Medical professionals and also teachers cannot be replaced by robots. The work they do directly with patients and children is irreproducible. Similarly, businesses can automate some processes, but human instincts, decisions, and relationships are always essential to the future.

Artificial intelligence is transforming the way the world operates and will continue to do so over time. Now is the ideal time to develop AI based applications like <https://binsion.com> developed by Binsera C Corporation. You can be part of a world-changing revolution that is artificial intelligence. If you are planning to develop AI based applications Please contact BINSERA at info@binsera.com

Conclusion:

Artificial intelligence and machine learning are goods of together science and mythology. The thought that machines can think similar to person and execute everyday jobs is thousands of years old. The cognitive reality spoken by AI

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and machine learning systems is not new moreover. These technologies may be improved regarded as a realization of strong and long-well-known cognitive principles with engineering.

The prospective of AI and machine intelligence is not fully or mainly within the technology. It is chiefly for that user. If you (typically) trust in how our people function today, there is no cause not to trust in yourself to take benefit of these technologies. And if you can recognize the value of ancient stories that disrupt presenters and you can free yourself from unnecessary anxieties about their use.

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