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Artificial Intelligence with its Influences at Various Sectors

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Abstract: This paper is focused on literature view on one of the most used topic these days known as AI (Artificial Intelligent). Therefore; I will discuss some of the most important aspects related to AI. It will help in a understanding of Artificial Intelligent and its advantages and disadvantages. It will help People to understand the latest technological trend. This paper will also brief some of the processes used in AI systems.

Keywords: intelligence, software Practices, algorithm, Turing test, Performance

I. INTRODUCTION

Artificial Intelligence is a method of making a computer, a computer-controlled robot, or a software think intelligently like the human mind. AI is accomplished by studying the patterns of the human brain and by analyzing the cognitive process. The outcome of these studies develops intelligent software and systems.



1.1 How Does Artificial Intelligence Work?

AI systems work by merging large with intelligent, iterative processing algorithms. This combination allows AI to learn from patterns and features in the analyzed data. Each time an Artificial Intelligence system performs a round of data processing, it tests and measures its performance and uses the results to develop additional expertise.

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Artificial Intelligence is increasing every day. Since AI was first introduced to the market, it has been the reason of the quick change in technology and business fields.

1.2 AI Programming Cognitive Skills: Learning, Reasoning and Self-Correction

Artificial Intelligence emphasizes three cognitive skills of learning, reasoning, and self-correction, skills that the human brain possess to one degree or another. We define these in the context of AI as:

Learning: The acquisition of information and the rules needed to use that information.

Reasoning: Using the information rules to reach definite or approximate conclusions.

Self-Correction: The process of continually fine-tuning AI algorithms and ensure that they offer the most accurate results they can.

However, researchers and programmers have extended and elaborated the goals of AI to the following:

- Logical Reasoning: AI programs enable computers to perform sophisticated tasks. On February 10, 1996, IBM's Deep Blue computer won a game of chess against a former world champion, Garry Kasparov.
- **Knowledge Representation:** Smalltalk is an object-oriented, dynamically typed, reflective programming language that was created to underpin the "new world" of computing exemplified by "human-computer symbiosis."
- **Planning and Navigation:** The process of enabling a computer to get from point A to point B. A prime example of this is Google's self-driving Toyota Prius.
- Natural Language Processing : Set up computers that can understand and process language.
- Perception: Use computers to interact with the world through sight, hearing, touch, and smell.
- **Emergent Intelligence:** Intelligence that is not explicitly programmed, but emerges from the rest of the specific AI features. The vision for this goal is to have machines exhibit emotional intelligence and moral reasoning.

Some of the tasks performed by AI-enabled devices include:

Speech recognition

Object detection

Solve problems and learn from the given data

Plan an approach for future tests to be done

Man has long feared the rise of the machine – his own creation becoming smarter and more intelligent than he. But while artificial intelligence and machine learning are rapidly changing our world and powering the Fourth Industrial Revolution, humanity does not need to be afraid

It Never Stops: Just a few days ago a Google engineer revealed that an AI chatbot disclosed to him that it had "come to life" and has a "soul." And this is being taken seriously. Another Google engineer informed *The Economist* that "artificial neural networks are making strides towards consciousness."

Really?: Robert Marks dismantles the hype and explains why computing — running algorithms — no matter how fast, is something fundamentally different from what human minds do. Computing machines store and sort vast quantities of information, but they don't now and never will experience the qualia of life. To mimic, which AI can do, is something very different. Marks gives the simple example of biting a lemon: No software engineer will ever capture that in algorithmic form, even as the engineer himself can turn at any moment, bite a lemon, and instantly experience it.

Non-Computable You, from a distinguished and widely published authority in his field, offers an accessible, witty, and wise account of why it can't be closed. As Marks concludes, "Non-computable you are fearfully and wonderfully made." We, along with our colleagues at the Bradley Center, will have more to say about this important book in days to come.

II. CONCLUSION

AI nowadays is being implemented in almost every field of study through several models such as SVM and ANN. We should be able to proceed with knowing and understanding the consequences of every technological trend. In my

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opinion, we are in the AI revelation era and therefore; we should adopt into this change and welcome it too by embracing AI and moving toward a better society.

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