

Review Article

A review article on artificial intelligence

Nagendraswamy C* and Amogh Salis

JSS College of Nursing, Mysuru, Karnataka, India

Abstract

Artificial intelligence (AI) is the emulation of human intelligence in computers that have been trained to think and behave like humans. The word may also refer to any computer that exhibits human-like characteristics like learning and problem-solving. Artificial intelligence is intelligence demonstrated by machines, as opposed to natural intelligence, which involves consciousness and emotionality and is demonstrated by humans and animals [1].

Introduction

Artificial intelligence (AI) refers to intelligence demonstrated by computers as opposed to natural intelligence demonstrated by humans and animals, which includes consciousness and emotionality. The acronym chosen often reveals the distinction between the first and second grades. Artificial General Intelligence (AGI) is the term used to describe 'strong' AI [2].

Types of AI [3]

1. Machines that respond. Reactive robots are the most basic kind of robot.
2. Memory is limited. As the name implies, a limited memory machine is capable of retaining certain information gleaned from previous events or records.
3. Self-awareness...
4. Theory of Mind [4].

Purposes

- AI's mission is to create software that can reason and justify based on feedback.
- AI will allow humans to communicate with software in a human-like manner.
- provide decision support for specific tasks [5].

Examples of AI

- * Cheques can now be deposited from the comfort of our own home.
- * AI is capable of deciphering handwriting,

More Information

*Address for Correspondence:

Nagendraswamy C, Assistant Lecturer, JSS College of Nursing, Mysuru, Karnataka, India, Email: saruswati28@gmail.com

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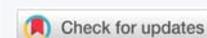
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Keywords: Intelligence; Computers



- * online check processing is possible.
- * Artificial intelligence can also be used to detect fraud by looking at users' credit card spending habits.
- * Alexa.
- * SIRI.

The world smartest AI

The Lincoln Laboratory Supercomputing Center's (LLSC) new TX-GAIA (Green AI Accelerator) computing system has been named the world's most efficient artificial intelligence supercomputer [6].

Applications of AI

- E-Commerce and Artificial Intelligence.
- AI in Navigation, GPS technology, according to MIT research, can provide users with reliable, timely, and comprehensive information to improve protection.
- AI in Robotics.
- AI in Human Resource.
- AI in Healthcare.
- AI in Agriculture.
- AI in Gaming.



Growth drivers of AI in health care

- The rising amount of healthcare data and increasing complexity of datasets driving the need for AI.
- The intensifying need to reduce soaring healthcare costs.
- Improving computing capacity and decreasing hardware costs.
- The number of AI-enabled medical devices are the major factors driving the artificial intelligence in healthcare market development [7].

Challenges in AI

- * Computing Capacity Most developers are turned off by the amount of power these power-hungry algorithms consume.
- * The Bias Issue.
- * Limited Knowledge.
- * Human-level.
- * Data Privacy and Security.
- * The Trust Deficit.
- * Scarcity of data [8].

Conclusion

The use of machine-learning algorithms and software, or artificial intelligence (AI), to simulate human cognition in the study, presentation, and comprehension of complex medical and health-care data is referred to as artificial intelligence in healthcare. Refers to the replication of human intelligence in computers that have been programmed to think and act like humans. The phrase can also refer to any machine that demonstrates human-like characteristics like learning and problem-solving.

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