

# Evolution of Artificial intelligence

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## **Abstract**

This article contains reports from Artificial intelligence is a board a concept of machine able to carry out task in a smart way it covers anything which enable the computers to behave like humans. Think of famous Turing test to determine weather a computer is capable of thinking like of human being or not if you are talking to city on your phone and you get answer you are already very close to it. In todays and the future online “robots” revolutionary world, what will be the impact of interactive AI-driven decision programs on the RIA-offered personal financial advisory business? It analyzes roles of information in the evolution of human intelligence, the compatibility of natural and machine intelligence is revealed in order to investigate into a wide range of paradigms of abstract intelligence such as natural, artificial, Machin able intelligence, and their engineering applications. Abstracting key principles of intelligent behavior, and developing practical applications of AI since the year 2000.

## **KEYWORDS**

ALGORITHMS, MACHINE LEARNING, DATA SCIENCE, ARTIFICIAL INTELLIGENCE

## **Introduction**

Artificial intelligence is intelligence exhibited by machines. Rather than humans or other animals. Artificial intelligence composed of two words artificial and intelligence. So artificial means anything man-made, and intelligent refers to intellect or thinking power which is an abstracting most of the time think that we cannot see or abstract things is not something that we can recreate. But it is not case we have created a man-made thinking power or intellect that is AI according to me. Or artificial intelligence

is also basically creating intelligence software making a machine that is smart. A machine that is power to think and analyze and make decision pence.

The term artificial intelligence was first coined by John McCarthy in 1956 when he held the first academic conference on the subject.

Machine learning is a type of artificial intelligence that provides computers with ability to learn without being specifically program and machine learning is also part of deep learning that can provides a collection of statically machine learning techniques used to learn feature hierarchies often based on artificial neural network. In 1950 Alan Turing proposed the Turing test as a measure of machine intelligence and it is still used today to determine a machines ability to think like human. Turing said that if the interrogator couldn't distinguish between them simply by the answer given them we could call the computer intelligent as it thinks and answer like a person. Mechanical men and artificial beings appear in Greek myths, such as golden robots of Hephaestus and Pygmalion's Galatea. In the middle ages there rumors of secret mysteriously or alchemical means of placing mind into matter. AI to address socially related problems such as homelessness at Stanford researchers are using AI to analyze satellite images to identify which areas have the highest poverty levels. Application-GPS is used to get a rough location of the car.

### **Literature review**

In the beginning to focus of AI research was on modelling the human brain. (This was impossible). John McCarthy term first artificial intelligence. Research shifted to using games like noughts and crosses, drafts etc. to create "AI" systems. In 1965 Researchers agree that game starting programs could not pass the Turing test the focus shifted to language processing in (1966) 1st language processing program Responded to users inputs by asking questions based on previous responses. In (1972) Parry modelled a conversation with a paranoid person this seems odd but the program was created by a psychiatrist. AI will move from cloud platform to distribute cortex and also AI will move to the middle ground combined intellect and team working. AI / IOT decision making and collaboration will derive interoperability we will move to adaptable and interface-based information.

The Turing test is a test of machines ability to enhance intelligent behavior. In Turing's original illustrative example, a human judge in a natural language conversation with human and a machine designed to generate performance indistinguishable from that of a human being. All participants are separated from one and another. If the cannot determine reliably tell the machine from the human, the machine is said to have passed the test. The trial does not check the ability to give the correct answer; it checks how closely the answer dislike typical human answers. The conversation is limited to a text-only channel such as a computer keyboard and screen so that the result is not dependent on the machines ability to restore into audio.

Alan Turing was a mathematician who created a machine to decode the enigma which was Germany's secret code during World War II. Alan Turing asserts that specific brain function can be broken down and rendered in physical terms so that a machine duplicating the behavior will be identified as intelligent.

### **Controversy of Turing Test**

Some people disagree with the Turing Test. They claim it does not actually measure a computer's intelligence. Instead of coming up with a response themselves, they can use the same generic phrases to pass the test.

### **Intrinsic motivation**

Turing predicted that rather than try to emulate an adult mind, the best way to develop an intelligent machine would be to emulate the mind of a child and their eagerness to explore their environment.

### **Problem resolution**

Game playing programs of the 1960s highlighted the sheer magnitude of possible paths that could be followed in order to resolve even the simple problems presented in the game, many of which would be unfruitful, this led to the AI effort of the 60's moving towards heuristically organizing and dealing with path or problem resolution.

### **Universal Intelligence**

Universal intelligence was a probability based theory of inductive inference and predictive AI compiled from both of the theory of computer science and probability. Universal intelligence was predicted on the idea of an entity interacting with its environment.

### **Future Uses**

Artificial intelligence can be utilized in many ways today, but technology is evolving quickly and will be much more sophisticated in the future. AI in the future may be able to take over many functions that require humans today, such as policing society, creating complex defense algorithms for security, or even performing medical procedures. E.g.- Military Bots, The perfect lawyer, Music, Business, Healthcare

### **Benefits of AI**

The most important purpose of AI is to reduce human casualties in Wars, Dangerous Workspaces, Car Accidents, and Natural Disasters

### **Advantages of Artificial Intelligence**

More powerful and more useful computers

New and improved interfaces

Solving new problems

Better handling of information

Relieves information overload

Conversion of information into knowledge

### **Disadvantages**

Increased costs

Difficulty with software development slow and expensive

Few experienced programmers

Few practical products have reached the market as yet.

### **Applications on Artificial Intelligence**

- ✓ Robotic process automation
- ✓ Machine learning platform
- ✓ Voice recognition

### **Conclusion**

Looking at AI investments one can clearly see that in the last two years companies' have started to understand the possibilities and benefits of artificial intelligence. At the beginning of this decade investments on artificial intelligence were really small and that is rather surprising.

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