ISBN: 978-93-92995-10-1

A JOURNEY TO KNOWN VIRTUAL WORLD (AI)

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What is Artificial Intelligence

[1] The science and engineering of making intelligent machines specially intelligent computer system. To the similar process of using computers to understand human intelligence, but it does not confine itself to biologically observable. [2] Artificial intelligence is the past of human intelligence, there are many reason to make AI to reduce human reasoning into logical form.

History of AI

[3]Deep learning has made significant contribution to the recent progress in artificial intelligence. deep learning methods have achieved substantial improvement in various prediction tasks. AI systems become particularly essential for their user of AI and researchers and developers who create the AI solutions. [4]Artificial intelligence (AI) was born in the summer of 1956, when John McCarthy first defined the AI. It was the first time the subject caught the attention of researchers, and it was discussed at a conference at Dartmouth. In next year, the first general problem solver was tested, and one year later, McCarty regarded as the father of AI announced the LISP language for creating AI software which stands for list processing, is still used regularly today. Herbert Simon in 1965 quoted "Machines will be capable of doing any work man can do."

Growth of AI

[5] Growth of AI is done in majorly all the field such as automation skill and technologies in literature its study paste a good impact on its growth in upcoming year it will not only put an impact on the labor market but it will innovate the AI. [6] It has a great impact in all the leading companies and economical system.it has also a leading impact of competition in AI field.

AI in Healthcare Appliances

[7] There are many areas of AI in heathcare field and the most important is in medication management and drug development. [8] AI has its application in orthognathic surgery with and amazing power in image distinguished also a reaaly great impact on dento facial deformities in upcoming time [9]The latest Google Duplex Artificial Intelligence (AI) will be used as a voice-controlled speech recognition system, a personal assistant, to respond to the commands given by the person

AI in Manufacturing and Production

[10] AI technology has a great impact in manufacturing industry it have core development of the new era as internet plus AI which is great mean of change in upcoming models and ecosystems of manufacturing industry [11] Artificial Intelligence technology impact main role in modern manufacturing, particularly in the context of the Industry 4.0 paradigm. [12] AI has a great impact on production of 3D printing and GDP sector its has a great impact on environment and in many industrial process.

AI in Security and Surveillance

[13] Artificial Intelligence (AI) is used in setting surveillance camera. [14] The cyber domain represents a prominent potential usage area for AI The role of AI in the shifting threat landscape has serious implications for information security, reflecting the broader impact of AI, through bots and related systems in the information age. AI's use can both exacerbate and mitigate the effects of disinformation within an evolving information ecosystem [15] It will have a great impact on military power, strategic competition, and world politics more broadly it will become

AI in Education

[16] Importance of artificial intelligence (AI) is growing day by day, and there is no one to disagree that AI education will bring great idea in the future. Various method are being attempted to made the topic of AI clear, but students who have no experience in AI education recognize AI only as a difficult target. AI convergence education were conducted for 6th grade elementary school students, and pre and post tests were conducted in the form of AI awareness survey questionnaires which included questions such as interest in AI, changes brought by AI, and AI education.there should be level of awareness in AI education to make a great impact on student as these method are new to students many activities are being done to make this possible.

[17] In AI applications such as neural network is being used to train computer to perform tasks without human help.In these method we are applying to education. Firstly from data science we try to add AI elements to online learning environments such as Khan Academy and many other intelligent tutoring systems.From STS we provide a detailed examination of scholarly work carried out by various data scientists around the use of deep learning to known the aspect of performance and approach and relation the subjects doubts cleared and the environments setup.

[18] With practicing physicians and collaborating with the artificial intelligence(AI) with vast amount of data,sophisticated mathematical understanding is driven by the analytics of precision and personalized medicine which depend on AI to predict the particular desease in a particular patients and attributes to personalized medicine

Advantages of AI

[19] Artificial intelligence has a powerful amount in diagnosing wrong of building energy systems. The very well-known advantages and efficacies of AI make them useful in the development and management of transportation systems.basically in intelligent transportation systems, real-time sensing, detection, response, and control are of paramount importance, and AI can be utilized effectively in all of these applications.AI provides the advantages of permanency, reliability, and cost-effectiveness while also addressing uncertainty and speed in either solving a problem or reaching a decision. AI has been applied in such diverse realms as engineering, economics, linguistics, law, manufacturing and medicine, and for a variety of modeling, prediction, and decision support and control applications One of the most promising applications of AI has been its rigorous use in the Internet such as in search engines Although the efficacies of AI are significant, as with any application they are limited in both capability and functionality

[20] artificial intelligent techniques are particularly efficient. The potential applications of artificial intelligence in fashion industry cover a wide scope from design support systems to fashion recommendation systems through sensory evaluation, intelligent tracking systems, textile quality control, fashion forecasting, decision making in supply chain management or social networks and

fashion e-marketing Artificial intelligence (AI) has reached new heights in clinical cancer research in recent years. AI is applied to assist cancer diagnosis and prognosis, given its unprecedented accuracy level, which is even higher than that of general statistical expert.Artificial intelligence (AI) has reached new heights in clinical cancer research in recent years.artificial intelligence (AI), especially machine learning and deep learning, has found popular applications in clinical cancer research in recent years, cancer prediction performance has reached new heights.

[21] Artificial intelligence (AI) and machine learning (ML) can play vital role in design, modelling and automation of efficient security protocols against diverse and wide range of threats. AI and ML has already proven their effectiveness in different fields for classification, identification and automation with higher accuracy. As 5G networks' primary selling point has been higher data rates and speed, it will be difficult to tackle wide range of threats from different points using typical/traditional protective measures. Therefore, AI and ML can play central role in protecting highly data-driven softwareized and virtualized network components.

[22] Artificial intelligence-based (AI) methods have demonstrated high performance in classification, object detection, and segmentation tasks. Through multidisciplinary and collaborative work between clinicians and technicians, the advantages of AI have been successfully applied in automatic polyp detection and classification. The new AI-based systems present a better polyp detection rate and contribute to better clinical decision-making for preventing colorectal cancer (CRC).

[23] With the helps of Artificial intelligence human works can be reduce and would be replacing people by machines so humans can do other work. Programming, self assessment ,self writing etc these works are a burden on people. Artificial intelligence is like a very useful cheap labour by using Ai the work is done fast and the profit is also doubled. Artificial intelligence can be easily developed. Machines does not required refreshments and breaks as like human beings. The systems can be re programmed for work for long time without getting bored or getting tired. The science of robotics and artificial intelligence can be used into mining and other fuel exploration process by this we can save human life because human can make new robots but we cannot make human. Artificial intelligence can be used at industries and companies.

Challenges or Disadvantages of AI

[24] The application of artificial intelligence in general and specifically in the field of education contains very deep dangers that must be studied in depth. The new generations are already focused on addictive monsters that are all contained in a small hand-sized element: the cell phone; which in turn connected to the Internet makes social networks twitter, Instagram , Facebook, snap chat and others available to the individual who no longer has time to apply the maximum of Socrates: Know yourself. Current generations seem increasingly connected to their networks and technological instruments, but increasingly disconnected from their neighbours, their families and even themselves. Imaginary or virtual friends occupy a relevant place in people's lives, who spend hours updating their profiles and videos, photos and stories for others to review.It seems that we are facing the advent of a culture that worships the ego and has little to do with the truly important Artificial intelligence has had so much impact on society in general - both positive and negative - that the permanent comparison with human beings has become obsessed. In 2011 another challenge was carried out that involved artificial intelligence vs. human intelligence. It was held within the framework of one of the most famous quiz shows in the United States, there the IBM supercomputer beat the two contestants who had historically had the best performance in reality.

[25] Despite all the potential, AI solutions have not by large entered routine medical practice. In dentistry, for example, convolutional NNs have only been adopted in research settings from 2015 onwards, mainly on dental radiographs, and the first applications involving these technologies are now entering the clinical arena (Schwendicke et al. 2019). This is all the more surprising when acknowledging that dentistry is especially suited to apply AI tasks: In dentistry, imagery plays an important role and is at the cornerstone of most patients' dental voyage, from screening to treatment planning and conduct. Dentistry regularly uses different imagery materials from the same anatomical region of the sameindividual,regularly accompanied by non-imagery data like clinical records and general and dental history data, including systemic conditions, and medications. Moreover, data are often collected over multiple time points. AI is suited to integrate and cross-link these data effectively and improve diagnostics, prediction, and decision-making.Many dental conditions (caries, apical lesions, periodontal bone loss) are relatively prevalent. Building up datasets with a high number of "affected" cases can be managed with limited efforts.We see three main reasons why dentistry has not yet fully adopted AI technologies. Tackling these reasons will help to make dental AI technologies better and facilitate their uptake in clinical care.

[26]: The disadvantages of Artificial Insemination (AI) by a simple example of a experiment which was conducted in BAU(universities)poultry farm,Mymensingh, Bangladesh. Some male birds were collected from the farm and some female birds were purchased from the local villages market. Both types of birds were kept in individual cage with adhibit food and water and were given abdominal massage at least for three days (at the same time of the day) prior to AI. Collected semen was inseminated (0.20-0.25 ml/hen) directly by soft dropper into the female genital tract. The result of the present experiment showed that 1-2 females could be covered by semen collected from single ejaculate from one cock. It was also found that very small amount of semen was wastage by container. Thus it can be concluded that AI by raw semen is not profitable (except experimental point of view) until we use semen diluents for commercial purpose.

[27] The system making process are not easy as the material are very expensive it cost a huge amount of money and time rebuild,create and repair. The parts of robotic repair which people wants to fix cost huge amount of money and materials.the jobs are been replacing by robots can cause unemployment or human should find another way to generate jobs options AI cant change the government to communicate.Systems can easily cause problem if its in incorrect hands.there are consequences and fear of wrong people. AI is a specific reason for human to become lazy with its system automating the load of work.Humans land into the region were human inventions may drag to future generations.As AI is replacing the major tasks representive,other works with the helps of robots which may cause a significant problems for human interferences. Everyone around us is looking to replace a individual person with less knownledge with AI robots to do similar work with more efficiency. There are question that machines are far better when it involves working efficiently but they can't replace the humanas they creates the team. robots cannot develope a bond with humans which is an important attribute when involves Team Management. Systems can perform only those tasks which they're designed or programmed to try anything out of that they have a tendency to crash or give irrelevant outputs which might be a serious backdrop.

[28] Artificial intelligence and robotics taken to the extreme contain dangers and challenges that must be considered in all areas of their application, particularly in education. The use of robots and artificial intelligence can generate with no connection to emotions, students and teachers state that a robot is not imitable because it also lacks emotions. There were more dangers and disadvantages that were found with the indiscriminate application of robotics and artificial intelligence in education.

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Conclusion

In my opinion from this research work I have a deep knowledge of artificial intelligence in upcoming time this Ai will basically be an impact on humans as it has vast power in all the field as a human can thinks work or develop something it basically can be a great help for human if it can become a powerful source of medication it will solve a huge issues of healthcare in India and around the world. Artificial intelligence can become a powerful impact to safe human life in war, factories as we can create robots but we can make human. In todays world it has a great impact on education and it can also replace the whole teaching way it would be once costly but in time it would be really cheap as one device last long. AI can be a great future for human being.

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