

Impact of Artificial Intelligence on Society

KANCHAN SAPRE
ASST.PROF.

Introduction:-

What do self-driving cars, face recognition, web search, industrial robots, missile guidance, and tumor detection have in common? They are all complex real world problems being solved with applications of intelligence (AI).

In computer science, artificial intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans and other animals. (https://en.wikipedia.org/wiki/Artificial_intelligence)

Sofia the first robot who got citizenship is humanoid robot developed by Hong Kong based company Hanson Robotics. Sophia was activated on February 14, 2016[1] and made its first public appearance at South by Southwest Festival (SXSW) in mid-March 2016 in Austin, Texas, United States.[2] It is able to display more than 50 facial expressions. Sophia has been covered by media

around the globe and has participated in many high-profile interviews. In October 2017, Sophia became the first robot to receive citizenship of any country.[3][4] In November 2017, Sophia was named the United Nations Development Programme's first ever Innovation Champion, and is the first non-human to be given any United Nations title

Artificial Intelligence Meaning & Definition

Computer science defines AI research as the study of "intelligent agents": any device that perceives its environment and takes actions that maximize its chance of successfully achieving its goals. More specifically, Kaplan and Haenlein define AI as "a system's ability to correctly interpret external data, to learn from such data, and to use those leanings to achieve specific goals and tasks through flexible adaptation". Colloquially, the term "artificial intelligence" is used to describe machines that mimic "cognitive" functions that humans associate

with other human minds, such as "learning" and "problem solving". Development in case of Artificial

Intelligence:-

Before 20th century people were unaware of technology and so they were highly dependent on human labor but as science developed in field of A.I much manmade work is turned in to machine work. Now days from entering in to your office till exit we are witnessing A.I every now and then. Lifts, Automated coffee machine, Face or thumb recognition devices from computers to LCT equipped halls every where A.I is used

Robotics and machine has enhanced in workplace and economies by improving productivity. Artificial intelligence has advanced quickly into main stream of society such as finance, transportation and defense industries. In many Industries f AI and machine learning are commonly used and being adopted slowly by enterprises. Regardless of your job title, it's almost inevitable that AI will creep into your workplace. AI is being used in a variety of ways: from job searching to helping human resources departments to find ideal candidates through the database to fill a job quickly and efficiently and even help IT departments by taking away processes that the employees would have to do manually. According to a survey conducted by ABBYY, two-thirds of employees said that they would gladly hand over tasks, such as

taking notes or reading lengthy documents to a machine.

In return, Morgan Stanley says that artificial intelligence is helping augment their work and workload, giving them more time to have long, in-depth human conversations with their clients. Having this advantage allows the financial advisors to have a chance to get to their clients quicker and communicate thoroughly.

Affecting Society

Research shows that demand for "middling jobs," such as clerks, machine operators, and assemblers, are declining because of machine learning. However, the high-education jobs such as managers, engineers and health professionals continue to grow as well as low-education service occupations like shop workers. This is because they are non-standard jobs and difficult to replace by automation. It is true that introduction of A.I in daily life led to a decline in horse-related jobs, but new industries emerged, with a net positive on employment." It is possible that AI and machine learning could take away jobs but also produce more, giving a positive impact on employment and blooming of industries. Of course, there are ways where artificial intelligence eliminates human contact altogether, as opposed to the practice found by Morgan Stanley. Natural-language technology such as Apple's Siri and Amazon's Alexa can answer task-based requests, such as "What's

the weather today in New York?” Furthermore, there are mobile apps and features that can help you instantly, like Erica—Bank of America’s virtual assistant. (<https://medium.com/datadriveninvestor/four-ways-artificial-intelligence-can-impact-the-workplace-and-society-6a5177e58aa8>)

Impact of A.I on society

Humans are good at asking the right questions, while machine learning is good at ingesting massive amounts of information, often more than a human could look at in a lifetime, to arrive at the right answers. Together they can have a massive business impact. AI can take away the stress of manual and tedious work for employees by making things automatic, allowing employees to keep their jobs and apply new skill sets. But it can also take a turn and confirm people’s fears of losing their jobs. The future for artificial intelligence isn’t exactly clear but it will definitely have an impact on the workplace and society—whether that impact is positive or negative we will have to wait and see. But when it comes to the question of if or when artificial intelligence will take over human jobs—it depends on who you ask. As it is rightly said “Machine can do no Wrong as human being can do.” This is evident that in today’s world if you want to cope up with emerging trends of society you need to keep your self updated. As technology

changes speedily it is not possible for us to go hand in hand with it. It’s an impressive achievement, but with a cost. With all the hope and hype around AI, at times it is hard to think clearly about what AI really is doing and what that means for you, your business, and for society. There are rich tools available to any size business — it’s time to think about how to use them.

In a recent video interview, Fei-Fei Li, chief scientist of machine learning and artificial intelligence at Google Cloud, clears up several misconceptions and provides a clear view of how to think about AI as it becomes an integral part of your everyday business and personal life.

Li is a lifelong AI researcher who still keeps a lab at Stanford University. In 2017, she joined Google Cloud to better help AI move into the mainstream.

Forget about futuristic super-human robots: Li is pragmatic about what AI can do today, including the ways we already interact with AI on our smartphones, cars, or on our voice-activated devices. She works with industries like financial services, medicine, or retail. Whatever your profession, she also believes that you should be thinking about using AI in your business.

That is because the conditions that created the AI boom — lots of

data online, lots of cheap computing, and lots of available algorithms that do the big statistical analysis at the heart of AI — now exist almost everywhere. For the most part, this is advanced statistics and pattern finding — the basis of much understanding — at a scale few could have imagined.

The rich online data first came from browsers gathering data about the Web — leading to early investments by companies like Google — and then from smartphones uploading photos and other data for analysis. Now sensors and the vast amounts of data stretching back a century and stored in corporate computers are adding to the trove for more analysis of hidden patterns. Cloud computing services like Google Cloud have made analysis of all this data cheap and available to everyone, enabling a feedback loop of benefits and innovation that will likely last many years.

This is already changing the way small companies think about their strategies, and as Li notes, is affecting the way established businesses look at their data. Despite the fears that this boom in pattern-finding will wipe out jobs or create a soulless world driven by uncontrolled algorithms, Dr. Li is a clear-eyed optimist. The pattern she sees is that automation has historically created new kinds of work, enabling humans to do work at which

humans excel. As for AI becoming a force for evil, she notes, “a technology bears the values that its creators give it.”

In other words, the hard work of being good will not be automated.

(<https://cloud.withgoogle.com/build/data-analytics/impact-ai-business-society-everyday-life/>)

Conclusion:-

Now a days from kitchen appliances to Cars everything is automated which having A.I as part of it. With the advancement in A.I people are more reluctant to use it. Big companies can easily afford them at their own costs as it will save time and energy and improve productivity which will result in more profit. But it is not possible for every one to go with such flow as cost behind it is very high which can not be affordable. Overall, industry and society are still at the beginning of the change process brought about by AI. New opportunities will drive innovation and create new ideas. We will see mistakes, but also unexpected successes. However, one thing must not be overlooked. The effects of AI are serious. Humanity, according to the World Economic Forum, faces the fourth industrial revolution – with social, economic and societal implications. Therefore, politics and business must work together – here and now –

to create the appropriate framework conditions that will set the course for future generations. A.I is machine intelligence and as machine can do any task unanimously and continuously without any mistake where human being can do mistakes due to repetition in task such monotonous tasks better be done by machines without any mistake. Artificial Intelligence is often used as substitute for human judgment as it minimizes time and energy. Although A.I has its own Pros and Cons society is rapidly accepting and emerging into its new technology based trends which put their footprints on every sphere of society

(<https://www.comparethecloud.net/articles/impact-of-ai-workplace/>)
