Natural Impacts and Effects of Artificial Intelligence in Human Life

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Abstract - Artificial intelligence (AI) could dramatically improve our lives, positively impacting everything from healthcare to security, governance and the economy. But almost all technologies can be used for ill as well as for good. It is clear that this scientific field is one of key elements for shaping better future for us. But there are also some anxieties regarding possible ethical and safety related issues that may arise because of intense use of powerful Artificial Intelligence oriented systems. Most researchers agree that a super intelligent AI is unlikely to exhibit human emotions like love or hate, and that there is no reason to expect AI to become intentionally benevolent or malevolent. In the wrong hands, AI could be exploited by rogue states, terrorists and criminals. In this paper we will discuss natural Impacts and effects of artificial intelligence in human life.

Keywords

Artificial Intelligence, Super intelligent AI, Natural Impacts, Ethical AI, Safety of AI

1. Introduction

Artificial Intelligence (AI) is one of the rising innovations which attempt to reproduce human thinking in AI systems. John McCarthy created the term Artificial Intelligence in the year 1950.AI has an important and effective role on transforming the current and the future state of our life. But almost all technologies can be used for good as well as for bad. It is clear that this scientific field is one of key component for shaping better future for us. When we think about the positive impact of AI, it can dramatically improve our life by increasing efficiencies of our work place and can augment the work humans can do. AI can take most dangerous task and it relive human from doing such jobs. AI also becomes helpful in sectors like health care, security, traffic, etc. So, AI improves Job productivity and freed up human from stressful jobs.

When we come to Negative impact of AI, we must think about it safety and other outcomes in future. Generally most AI is developed for human enrichment as

well as safety. But sometimes at a wrong hand AI becomes most dangerous. The objective of keeping AI's effect on society beneficial motivates research in numerous areas, from financial matters and law to specialized points, for example, check, legitimacy, security and control. Whereas it might be minimal in excess of a minor disturbance if your PC crashes or gets hacked, it turns into even more significant that an AI

framework does what you need it to do in the event that it controls your vehicle, your plane, your pacemaker, your robotized trading system or your power grid. Another short-term challenge is preventing a devastating arms race in deadly self-governing weapons.

2. Material and Methods

At present there are many papers that have been published recently as a proposals or reviews on impact and effect of artificial intelligence in our day to day life. So, here choose a literature search for finding information about various keywords; artificial intelligence, super intelligent AI, Benefit and Risk of using AI, artificial intelligence safety; machine ethics.

Here in this section it is proposed that certain question and topic about various challenges to be faced during the usage of AI,

- Will machines become super-intelligent and will humans eventually lose control?

- AI will destroy jobs?
- Individuals are experiencing loss of control over their lives
- Data abuse
- Reduction of individual's cognitive ,social and survival skills
- Should we allow autonomous weapons and strong AI to get into the wrong hand?
- AI doesn't become so proficient at doing the job it was designed to do that it crosses over ethical or legal boundaries
- Machines Created by Machines

2.1 Will machines become super-intelligent and will humans eventually lose control?

Computer based intelligence assume control over the world or its loss of control from human is a theoretical situation where AI turns into the predominant type of knowledge on Earth, with a computer projects or robots adequately assuming the responsibility for the planet away from the human species. Possible situations incorporate substitution of the whole human labor force, takeover by an incredibly smart AI, and the mainstream idea of a robot uprising. Some people of note, for example, Stephen Hawking and Elon Musk, have upheld investigation into careful steps to guarantee future hyper-savvy machines stay under human control. The AI control problem is the issue of how to build a super intelligent agent that will aid its creators, and avoid inadvertently building a super intelligence that will harm its creators. Some scholars argue that solutions to the control problem might also find applications in existing non-super intelligent AI.

2.2 AI will destroy jobs?

It is general question arises when we think about job opportunities.Each person has their own opinions about the pluses and minuses of the technology. As per PwC survey, 7 million existing jobs will be replaced by AI in the UK from 2017-2037, but 7.2 million jobs could be created. However, if we think about it in a positive way, AI is actually encouraging evolution in the job market, as candidates come to realize they must develop new types of skills and must study advanced technologies in order to secure fulfilling work. Here there real challenge is for humans to find their passion with new responsibilities that require their uniquely human abilities.

The true fact is that people will still work, but they will work better with the assistance of AI. AI can take most dangerous task and it relive human from doing such jobs. AI also becomes helpful in sectors like health care, security, traffic, etc. So, AI improves Job productivity and freed up human from stressful jobs. Now we have many routine white-collar tasks such as answering emails, data entry and related responsibilities that can be handled by "intelligent" assistants if businesses are prepared to recognize the potential.

When we think about in a negative way as AI is replacing the majority of the repetitive tasks and other

works with robots, human interference is becoming less which will cause a significant issue in the employment standards. In this economy every organization is looking to replace the less qualified individuals with AI which can do similar work with more efficiency.

2.3 Individuals are experiencing loss of control over their lives

Artificial intelligence algorithms work with the help of huge data. At each moment there are many information collected about each and every person in a single day. Due to these facts our privacy gets compromised. Using AI China made a social credit system; the system will use big data to build a high-trust society where individuals and organizations follow the law. It will do so by assigning social credit scores to each entity based on their behavior, which are translated into a variety of rewards and punishments. This system can also implement in business and government sector for taking decisions about a person.

2.4 Should we allow autonomous weapons and strong AI to get into the wrong hand?

Co-author Miles Brundage a researcher at Oxford University's Future of Humanity Institute states that "Personally, I am particularly worried about autonomous drones being used for terror and automated cyberattacks by both criminals and state groups".

Artificial intelligence made a transformative impact of on our society will have far-reaching economic, legal, political and regulatory implications that we need to be discussing and preparing for. It is difficult to determine who is at fault if an autonomous vehicle hurts a pedestrian or how to manage a global autonomous arms race is just a couple of examples of the challenges to be faced. Also, there may be new AI-enabled form of terrorism to deal with: From the expansion of autonomous drones and the introduction of robotic swarms to remote attacks or the delivery of disease through Nano-robots also a challenge to our lives.

2.5 Machines Created by Machines

That's a rising issue because if it should be allowed one intelligent machine to create or develop other ones autonomously. It is still unclear how after-learned, intelligently done behaviors can result to differences in new type of machines developed as benefiting from experiences – after-learned data of previous, ancestor machines. Here we can't predict that for what purpose it developing the new machine and how much it takes a change in our lives. Also we can't know that new machines behavior, its knowledge and other features. The newly created machines may be benevolent or malevolent.

3. Results and Discussion

In addition to the mentioned ones in the past section, there are numerous other ethical and safety oriented issues caused by Artificial Intelligence. More up to date advancements and upgrades appeared in the context of Artificial Intelligence day-by-day cause us to derive and think about new issues that should be replied. At this point, there is always hope to think about also alternative solutions and at least such efforts are necessary to improve the associated literature covering such solution oriented works. Here, also have some suggestions for eliminating or controlling the mentioned issues:

➢ It is important to design laws and rules for controlling working mechanism of intelligent, autonomous machines.
➢ Design complex algorithmic structures limiting abilities and behavior of machines
➢ Ensuring a monetary future where people actually have occupations
➢ For a superior, controllable Artificial Intelligence, it is important to frame a few callings and occupations.
➢ Teaching machines about human practices and characteristics, and make them take on a similar mindset as a human

Based on reviews and search of different article it is observed that the result is, AI is too good as well as bad in some cases. Most of the researchers said the AI is good for human by getting help in various sectors such as health care, traffic, job sector and enrich their life with the help of AI. And they also tell that AI remains under human control.

But some of them worries about super intelligent AI will harm human by their wrong usage. So, we get result that some of them are myths. Every new invention will lead a new opening but we as humans need to take care of that and use the positive sides of the invention to create a smart world. The key us is to ensure the "rise of the robots" doesn't get out of our hand. Some of them also said that AI can destroy human civilization if it goes into the wrong hands. But still, there is no AI applications that can destroy or enslave humanity.

4. Conclusion

This paper has provided a general discussion and overview of natural impact and effect Artificial Intelligence. When we consider a particular issue or situation, some of them are just imaginations and scenarios, which have not realized yet but they are all possible in future. Here also provide some solution to the emerging situations.

There were some researchers, who think that intelligent systems of the future are potential threats for our future. The discussed topic in this paper are just some remarkable examples regarding Artificial Intelligence in the future and it is clear that we are still desiring a future, which has lots of unclear, misty problems waiting to be discovered and solved.

5. Acknowledgement

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