The Downfall of Human Race in the Evolution of Artificial Intelligence

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ABSTRACT
The rise of Artificial Intelligence is the cause of the sluggishness of human race in using their intelligence. But as we have known that humans are using the intelligence to build the machines which work on their own understanding. In this paper, a deep analysis is done on the sectors where artificial intelligence has overtaken the power that once was held by human bodies. Humans have become the slaves of their own inventions.

Keywords: Sluggishness, sectors, overpowered, machines, slaves, inventions, intelligence.

INTRODUCTION
The evolution of artificial intelligence started when humans did “The Turing Test” conducted by Alan Turing. It was after this test that humans began believing the building of the technology named as Artificial Intelligence. We saw the usage of artificial intelligence in the daily routines of humans. I believe the extra dependence of humans on the gadgets has led the humans lead the bots guiding them in the wrong direction. The impacts that has left potholes in the biological and psychological life of humans is adverse that its impacts can’t be denied or overlooked. Let us know what is best known by the big scientists in the field of Artificial Intelligence upon the evolution created by humans:

“If we are going to make systems that are going to be more intelligent than us, its absolutely essential for us to understand how to absolutely guarantee that they only do things that we are happy with” - Stuart Russell

“Everything we love about civilization is a product of intelligence, so amplifying our human intelligence with artificial intelligence has the potential of helping civilization flourish like never before – as long as we manage to keep the technology beneficial.“- Max Tegmark, President of the Future of Life Institute.

The need of the automation in work started when the demands of products were more than the supply in the capacity of the human resources. Thus, with passage of decades, it was more prominent that the resources need to be increased and automatic decision making inbuilt.

While nobody can predict how AI will develop in the future, it seems that we will encounter many challenges and opportunities, some more serious than others. If there were a single rational position on the future of AI, it would certainly be more nuanced than unbridled optimism or crippling fear. Until we know more about the impacts of AI and the capabilities of humanity to respond to them, it is important to create spaces where we can observe, reflect and debate the issues and, where necessary,
prepare appropriate responses. This debate must remain open to a wide range of disciplines. The science and engineering community has an important role to play, particularly in considering the boundaries of what is technically possible. On the other hand, understanding the development and impact of technology in society requires social scientific expertise. No discipline has a monopoly on wisdom.

**IMPACTS OF AI in Retail Sector:**

In store bots are willing to take up the jobs of the human resources. According to the biggest market firm Tractica, global revenue from AI will see a huge increase from $643.7 million in 2016 to $36 billion by year 2015. With the use of Artificial Intelligence, as per Forrester 7% of US jobs will be done by AI. That is significantly a huge margin of low labour cost and high profits.

Also, analysis of high amount of consumer data (comprising of consumer preferences, wishlist, consumer income, demands and last bought items on dates etc.) which forms a rough idea of 1Exabyte data of consumers. It is now so valid to allow the incoming of AI bots into the play. The data collected is very large from the capacity of humans to have them read and analyzed.

What was the need of so much data in retail sector? The thought comes, it is so because the companies are looking for major percentage of profit which requires accurate skill of analysis and pitch perfect interpretation of sales looking at the demand in market. Humans are the source of mistakes and misunderstandings influenced by emotions and surroundings. Thus, we see it clearly, how much the value of human resources have declined in this sector, just because the humans have dependency on their emotions.

With integration of AI in marketing strategies, the bigger companies are able to create the target oriented ads reaching to their most potential customers. Also, the time to serve the need / demand of the customer got reduced. These all facts are working in the profit of the currency but against the resources who makes the world. While one lot feels that AI and Machine Learning is the way of the future and will aid humans to perform their tasks better, the other lot is of the opinion that AI has more cons than pros and will eventually lead to the downfall of humans.

![Fig2: The comparison of the robots created per thousand workers.](image)

**IMPACTS OF AI in pharmaceutical Sector:**

Artificial Intelligence has left a deep impact on the drug invention and development especially cost. The only sector where the AI is fully utilized effectively. It is used to envisage the curative properties of new drugs before the drug is tested. We can definitely say that here in pharma industry, 100%
The collection of raw data, processing of that data and fitting them to align the medical condition of the patients, reduces the task of researchers by 60%. The knowledge used by the medical practitioners has been reduced since for every disease a medical equipment embedded with AI is available. Basically, the AI is based on machine learning algorithms leading to prediction of drug usage in a different disease amending a little of the proportions of compositions. Also, the sales and profits are altered too. Drugs invention and data interpretation is also allocated by AI in pharmaceutical industry. Diagnoses of diseases building up in the deep cells of the body are also a major achievement of AI in the field of medical science.

Thus, now we are sure, humans are just a supportive hand to the machines doing the core work in this industry.

**Fig 3. The scale of indulgence of AI in the pharmaceutical industry.**

**IMPACTS OF AI in Automobile Sector:**
The key to all cars were manually inserted in the engine lock to pull up the ignition. But, the intervention of AI in this field has led to the major drop outs of the engineers and loss of jobs. The AI is able to control the cars and their designs so perfectly matching with the demands and requirements of the consumers that the humans are left to just stare at the misfortune.

This is why, because the intentions of the AI is to just provide the extension to what humans started, the EVOLUTION. The invention and the novel experiments with the bots and machines makes the bending of designs and ideas more creative. As we talk about it, humans in this field are striving hard to safeguard their jobs in existing companies.

Automobiles comprises of all kinds of transports and machines production. Thus, their major spare parts are produced too. AI has variety of sizes as it is embedded with various task completion algorithms. The smallest of the screws are made by machines on automatic generation basis. In this industry, major adverse impact lays on employment. It is defined as, more the AI in this industry, lesser employment at the human level.

It is an advancement to have driver less cars, GPS and lesser accidents, but it creates an imbalance in other sectors too, creating a pathway for cons to build up.

**IMPACTS OF AI in IT Sector:**
In the era of AI, the machine learning algorithms are more being considered than anything else. Technology has connected every product to the internet via IOT (Internet of Things). The recent advertisements of Samsung producing the AI assistance BIXBY, which works on audio commands, shows how much humans have become fragile. The Iphone already has SIRI, Windows has CORTANA, Samsung has BIXBY and Amazon has its ALEXA.

What is more bothering is their independence and human's dependence on them. Now, humans have no access to their own intelligence because they feed their intelligence to their machines (laptops and mobiles). Best of all, the cloud server availability has reduced the importance of storing elements in the brain.

The use of neural network has allowed replication of human memories. The image recognition, audio recognition, pattern recognition, biometrics has exposed the human secrecy and poses as threats more than a miracle. The brain has reduced the power to recall elements of your own life since its barely being used.

Stephen Hawking, who was given a life on AI, has considered a threat of AI to humans. If a person who was no more considered to work in any way could live for so long and provide so many theories, AI is really powerful to control us and lead us to doomsday.

The best thing about AI is the way it creates its fans and the dependency it creates, making humans helpless in front of it, being slaves to its own creation.
IMPACTS OF AI in Defence:
As we have seen in one of the bollywood movies, ROBOT, as to a machine work on audio commands and has a great data base on almost all aspects of the society. Similarly, Indian govt. filed one of the policy to allow the AI in the field of military services.
The major drawback of having the soldiers as defence bots, is the lack of emotions and familiarity with human emotions. The accuracy will not provide better results in defence since humans and innocents may also face the consequences of absence of emotions.
Although, this deliberation was having stakeholders as Army, Navy, Airforce, Coast Guard, representative of all defence PSUs, as BEL, HAL, BEML, BDL, MIDHANI, MDL, GRSE, GSL, OFB and HSL.
The major making in Defence is of LAWS(Lethal Autonomous Weapon System). These devices can once be activated and without human intervention can select and engage targets.
This surely will lead to creation of war like atmosphere in the world. We have seen IRON MAN movies, leading to creation of AI assistance and target selection of fire, creating a need of more advancement of robotics to be working in Defence.
It is basically creating autonomous and self aware robots, which at some point makes me believe to betray its own creator.
b. **Jask:** “The world’s first, predictive security operations centre” for enterprise level Cyber Security.

c. **Deep Instinct:** It is deep learning algorithm usage to improve Cyber Security in banking, financial and government sphere in US and Israel. It is modeled on human brain’s ability to learn once.

Fig 7. The process of how cyber security is done by AI.

**IMPARTS OF AI on society:**

In the next few years, we are going to live in a world disrupted by AI. It is evident from the existence of Alexa, Siri and Cortana, this can be taken as an extension of co-parenting.

The act of performing criminal justice, has become easier with facial recognition and fingerprint sensors. But the criminal justice system is the one area where too much innovation could be a terrible thing for society and lead us into a dystopian future if we are not careful.

Unfortunately, when the data is biased it will create biased algorithm, not giving optimum solution. An international regulator is the need of the hour so that no one nation becomes an AI Supremo and eventually goes down the wayward path of controlling the world.

We are working in the era of combining artificial intelligence and human intelligence together. The availability of the resources in the mode of automation and smart, humans have become lazy and lack the common sense. They have become more reliant to the technology rather than use their own intellect.

The humans on daily basis are becoming a slave to the technology but think they are the masters. The daily schedule is controlled by the technology, as

- Charging of laptops and mobiles is a priority.
- Saving the gadgets in the rain than themselves.
- Wishing elderly people in the morning is secondary but checking their smart phone and laptop is major.
- The social activeness is more important than conversation with the person sitting next to them.
- Staying awake at night with the mobile by their side leading to creation of diseases and brain tumour.
- The increased number of hours being reliant on AI, has led to humans being so careless and immoral.
- The dependency has created the need more than want of the technology.
- The skills in human are transferred to the bot so that effectively it performs the task assigned to the human.

**What are the negative impacts of AI:**
Artificial intelligence is providing the intelligence of humans in a machine, controlling it and making it autonomous. It uses many techniques and algorithms and are used in various forms to meet the needs.

But the negativity it has and the fear it creates is more than we know:

a. AI is created to programmed to do devastating things.
b. AI is programmed for beneficial purpose but with wrong means of goal achievement.
c. AI is known as SUPERHUMAN.
d. AI is against the religious beliefs.
e. The computation speed is far more than humans, making the human brain prone to memory losses.
f. The degradation in quality of life.
g. The psychological impact and losses of values in children.
h. The declined growth of humans and increase of medical illness at young ages.

Thus, the level of usage of AI is far more than expected and yet, there is no control on its developments and advancements. It is like multiplication of cells uncontrolled.

MAJOR PROSPECTIVE:
I believe after so much research, the impact of AI has got us thinking the major areas its impact will take place. But, for the past decade, we have acknowledged and welcomed its presence in all domains of our life. No matter the consequences we are believing and sticking to the idea of using the ARTIFICIAL INTELLIGENCE and making advancements day by day.

The growth of the technology is a positive side of improvement but the undue exponential growth will lead to decline of human resources rate of survival. Just like shown in science fiction movies, the machines will over power us humans and take the throne to their territory.

It is evident that many researchers have given in their best of knowledge to make the machines capable enough to answer to all the queries of humans in the form of chat bots, provide driverless cars, provide the maps of all the places and bring a new challenge in the field of analytics and tabulation.

After going through the details of its impact on the domains of the GDP of the country, I have realized that AI has created its need and demand increased with the emergence of new needs from the existing ones leading to its entrance in the marketing, digitalization, photography, automation and many more.

The employment has been drastically reduced and more high level of skills are now required to survive in the competitive work environment. Whereas, the AI is playing with human intelligence showing itself weaker but taking in all the resources and creativity capacity of humans.

Humans have been willingly giving their intellectual making the AI the best and autonomous so as to have their own set of decision making. They have been so well prepared that they can make quick decision by fast analysis of the data trends in stored for past trends.

The belief and confidence humans have build on these systems is much more than on any relationship. Its effectiveness and promptness is worth the reliability but its major consequences come in with it. The humans have lost control over their life and totally immersed in the blue prints of the Artificial Intelligence, since the life style has become so much for them.

CONCLUSION:
The evolution of artificial intelligence was a major move in the industrial arena. It then just kept on moving creating the biasness on the basis of weights and providing the activation function value to determine which thought to process and which to overlook (ANN).

We then moved to the creation of humanoid, Sophie, answering almost all the questions and having a great eye sight with power of 100x zoom. It could tell the difference in humans by their behavioral pattern. The humans take their complete life to understand the behaviors of their family members and she could tell it for the new people instantly.

Human breed is intelligent and so it gave its intelligence to the machines so that they don’t get tired and create a havoc. AI began with a fluent mindset in humans for development and utilizing resources to the fullest but innovation played its role.

AI is at the centre of a new enterprise to build computational models of intelligence. The main assumption is that intelligence (human or otherwise) can be represented in terms of symbol structures and symbolic operations which can be programmed in a digital computer. There is much debate as to whether such an appropriately programmed computer would be a mind, or would merely simulate one, but AI researchers need not wait for the conclusion to that debate, nor for the hypothetical computer that could model all of human intelligence. Aspects of intelligent behaviour, such as solving problems, making inferences, learning, and understanding language, have already been coded as computer programs, and within very limited domains, such as identifying diseases of soybean plants, AI programs can outperform human experts. Now the great challenge of AI is to find ways of representing the commonsense knowledge and experience that enable people to carry out everyday activities such as holding a wide-ranging conversation, or finding their way along a busy street. Conventional digital computers may be capable of running such programs, or we may need to develop new machines that can support the complexity of human thought.

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