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The Dark Side of AI: Potential Risks And Dangers.

1) Introduction

2) AI is a new realm having bright as well as dark side

3) Multitude of potential risks and dangers are associated with AI

(i) It is capable to spurt job losses

(ii) It widens the gulf between rich and poor

(iii) It is detrimental to the health of democracy in general

(a) Misperceptions are threatening electoral sanctity

(b) Disinformation is diluting the truth and transparency

(iv) It is enhancing turbulence in society

(a) Prevalance of deepfakes is fueling chaos in society

(b) Fake news is polarising society to its roots

(v) It is breaching the privacy of individuals

(a) Multiple AI apps access individual's data without consent

(vi) It is unlawfully accessing data to train its models

(a) Unauthorized access to thousands of books and research papers has been made by AI tools.

(vii) It is expanding the scope and potential of cyber warfare.

(viii) It has transformed traditional warfare strategies. Militarization of AI has turned wars into more lethal.

4) Diverse ways exist to avoid potential risks and dangers:

(a) Designing proper regulatory channels

(b) Investing in Research and development on how to control AI

(c) Formulating ethical guidelines for using AI

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d) Limiting the advancement of AI in military domains ✓

4) Conclusion: ✓

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The Emergence of AI has transformed the Society to its core. AI has been termed as printing press of twenty-first century; moreover, some scholars relate the emergence of AI to the invention of steam engine in the 17th century. Both of these inventions had revolutionized the world. Likewise, AI has brought revolution in the 21st century. However, the transformation associated with AI has both positive as well as negative implications for the society. Thus, the realm of AI is not devoid of potential risks and dangers. The dark side of AI has grabbed the attention of scholars and analysts around the world. Entrepreneur Elon Musk was not hesitant when he termed AI to be more lethal than nukes. Policy makers around the world fear devastating threats emerging from integrating AI in multiple domains ranging from economic, political to military. Multitude of potential risks are associated with AI due to its capability to widen economic inequalities, injure democracy, breach privacy, enhance chaos in society, strengthen cyberwarfare and make traditional warfare more lethal; however, designing regulatory framework, formulating ethical guidelines, limiting its usage in military domain and investing in research and development on its control are all the pathways to avoid potential risks and dangers.

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AI is the new domain in the field of information and technology. It is considered the best of the innovations human race made so far. The Economist magazine ~~has~~ in various articles has termed AI as white gold of today's era. The possession and execution of AI in various realms is nothing short of a successful voyage in the ocean of development. Carnegie Endowment for peace an American based think tank terms AI to be ~~the~~ an island in the ocean of innovation, owners of this island will indeed rule the world. However, the flip side also exists as AI is not devoid of potential risks and dangers. The dark side of AI is darker than black hole as termed by physicist ~~at~~ MIT. The potential risks associated with AI are diverse as these encompass political, economic, societal, and military spheres. However, by adopting preventative measures and policy frameworks, risks and dangers can be avoided.

The potential risks and dangers associated with AI are multiple and these have the capacity to ~~penetrate~~ ^{penetrate} its roots deep into the societal paradigms. It is harming economy, hurting democracy, dividing society, breaching privacy and turning warfare more lethal.

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To begin with, AI has the potential to spur ~~the~~ job losses. In fact, according to World Economic Forum report AI has the capability to ~~erase~~ millions of jobs by 2025. ~~The~~ Losing of employment opportunities is greatly attributed to the emergence of AI, traditional jobs have been automated turning the low skilled manual workers job less. AI has ~~the~~ capability to replace content creators, writers, web designers and many ~~more~~ ^{other} ~~and~~ ~~many~~ such jobs related to digital marketing. Where would all these people go when these tasks are automated by Integrating AI? This question has grabbed the focus of economist around the world but so far, not any pragmatic solution has been given. When asked about the practical solution silence prevails. as the near future will witness peak of unemployment and no one has the solution for it. A case study by Harvard about the warehouse of Amazon further highlight the situation. Amazon warehouses were operated by workers; however, now robotic technology has taken control of the warehouse and not a single life is seen wandering in the stores. Amazon being transnational provided millions of job to low skilled labour but AI has encroached this space. ~~Consequently, people are jobless.~~

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moving on, the encroachment of AI in the traditional sphere of jobs has harmed the poor with much more intensity. One can never hear that AI has replaced the CEO of a company, the victims are always the poor segment and underprivileged sectors of the society. Take again the case study of Amazon where one would see that the low skilled labor, the technicians, the technicians etc have lost the job. This has resulted in widening the gulf between rich and poor. Globally, nations who have advanced in AI technology are becoming rich by each passing day and the states reluctant to adopt the AI are not developing. Just as oil turned the destinies of Arab, AI is turning the fortunes of ~~poor~~ states embracing it for instance South Korea, Taiwan, Japan etc. Taiwan has gained the status of vital state in the global arena all because of its advanced technology. Thus, superpowers are not ready to lose Taiwan turning it into a nuclear flashpoint. The rich-poor divide has been intensified by the emergence of AI.

Adding to this, AI is also

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of democracy around the world. AI has enhanced misperceptions around the world thus it is a huge threat to electoral sanctity. Besides, disinformation is diluting the truth and transparency of elections. USA's 2016 elections ~~are~~ provide epic example of this. Misperceptions regarding the political candidates changed the public perception thus voting choice as a result the true spirit of democracy was injured. The distortion of fact and figures and dilution of transparency in the electoral process by integrating AI further devastated the ^{democratic process} ~~democracy~~ in the world. Public speeches ~~in~~ ^{of} electoral candidates circulate in the social media which are in reality forged and joined by AI devices. These speeches in turn influence the public behavior thus manipulation of elections takes place.

In addition to this, AI is also enhancing turbulence in the society. Besides, fueling misperceptions and disinformation, the prevalence of deepfakes is further enhancing chaos in the society. Celebrities are the biggest target of deepfakes followed by political leaders and famous personalities. Deepfakes of Putin saying he is backing

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off from war circulated in social media in the wake of Russian-Ukraine war this was nothing short of a catastrophe as it could have changed the dynamics of war. Likewise, deepfake of Zelensky surrendering ~~also~~ also circulated this could have devastating impacts on the warring sides if not tackled immediately. Thus the chaos and instability caused by AI is nothing short of destruction. Besides, fake news is playing a pivotal role in polarizing the society to its roots. Fake news circulation has boosted the ethnic, linguistic, sectarian and religious issues with the multi-cultural and diverse states. The recent protest in UK are attributed to a fake news that circulated in social media about the killing of minor girls by an immigrant thus anti-immigrant and anti-muslim protest encapsulated the whole of Britain which turned violent and caused damage to socio-economic spheres of the British society.

Moving on, AI is playing

CS a pivotal role in breaching of

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The privacy of individuals. AI related apps access individual's data without their consent. Big marketing firms are widely using AI to know the preferences of people without letting them know that they are being surveilled. This carries huge benefit for the supranational and big firms who would in turn launch products according to the preferences of the public. In this process, individuals are being accessed and their privacy is being breached without their consent.

A classic study in this case would be 2020 US presidential elections.

Marketing firms were hired by republicans to manipulate public choices via facebook surveys, this has greatly benefitted Donald trump but this was amidst the huge breach of individual privacy in the history of USA. The elections were manipulated through the access to private accounts with the knowledge of the people being accessed.

Furthermore, deepfakes are also violating the privacy especially when obscene videos of famous personalities are posted in social media. Thus AI is hurting the privacy of individuals.

Adding to this, AI related apps are unlawfully accessing data to

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train its models. The chatbot such as Chat-GPT ~~are~~ has been trained by accessing tens of thousands of books without the consent of owners.

This has harmed the individuals who had worked hard to publish ~~these~~ ^{their} books but AI is providing them for free and their hard work is not been rewarded or compensated.

Thousands of research papers from leading institutes are being provided by AI without consent of the workers and researchers. This could harm the research culture and ~~can~~ ^{can negatively} impact creativity in society.

Furthermore, AI ~~knows~~ is expanding the scope and potential of cyber warfare. Cybersecurity is being challenged immensely due to the prevalence of AI in today's century.

The pager attacks in ~~Lebanon~~ Lebanon is the epic example of the intensity of cyber attacks in the warfare. Besides, the

Russia and Ukraine are also violating each others' cyber spaces with impunity due to advancement in

AI technology and integration of this advanced technology in the cyber sphere. The nuclear command and operation centers are the biggest targets of cyber attacks.



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this could initiate a nuclear war especially those countries who have nuclear First strike policy such as Pakistan. Any misperceived signal due to cyber attack on nuclear command and operation center could lead to nuclear war between India and Pakistan according to chairman of Centre of Strategic Studies Islamabad.

Heading on, it could also be said that AI has transformed the traditional warfare strategies.

The Militarization of AI is the biggest threat, bigger than climate change exceeding Atomic fuel rods. AI operated military tactics have turned wars into more lethal and devastating unmanned drones due to the blessing of

AI has enhanced the intensity and frequency of drone attacks. This was witnessed in the Gaza where indiscriminate bombing killed thousands of people. AI operated command centers

were also executed by Israel in Gaza which eliminated human control over attack this was the biggest inhumane act as it cleared the distinction between combatant and non-combatant leading to mass human

rights violations and genocide. Thus, the militarization of AI is

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nothing but catastrophe.

In spite of the potential risks and dangers, diverse ways exist to avoid the dark realities and prevent the negatives of AI in the society. Collective efforts is the key to have a successful life free from the harms of AI.

Firstly, There is dire need of designing proper regulatory channels to prevent the misuse of AI. The European union's effort in this regard ~~is~~ needs appreciation as it had formulated policies to regulate the AI. regulation is dire need of the society today otherwise, it would be the stepping stone towards destruction. Regulation regarding its use in policies, military, economics and politics is key to have an AI integrated successful world.

Moreover, there is dire need in investing in the research and development on how to control AI. As it is an emerging field, it requires proper and authentic mechanisms on its control. If the policy makers lack the understanding in this regard then formulation of policies will be futile thus prior research

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is crucial for successful policies.

Adding to this, there is also need of proper formulation of ethical guidelines for using AI. As recently, in South Korean Lab a robot killed one of the workers. The AI is ~~not~~ devoid of humane behaviors and compassion thus ethical guidelines are pivotal to have a use of AI which could benefit masses instead of incurring losses.

Finally, there is dire need to have a limitation on the advancement of AI in military domains. Militarization of AI is the most devastating catastrophe of twenty-first century. AI in military could eradicate the laws of wars set by International Law from its roots, it could blur the line between civilians and combatants thus large scale destruction will be the consequence of not limiting AI in military sphere.

In a nutshell, it could be said that AI has brought revolution in today's century but the dark side of AI has shed light on the potential risks and dangers associated with it. The use of AI has

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immensely ~~highlighted~~ ^{probed} the socio-economic vulnerabilities existing in the society. It has hurt the poor and ^{at} the expense of ~~poor~~ ^{underprivileged} it is benefiting the rich. It is the largest source of unemployment and joblessness in today's era. It is also harming the social fabric of society by weakening democracy and enhancing chaos in the society by deploying means such as fake news and disinformation. It is the huge threat to privacy and breaching the private sphere of influence without individuals' knowledge and consent. Moving on, the militarization of AI has turned wars into more lethal besides, expanding the potential of cyber warfare. The prevention lies in proper formulation of policy on its usage in multiple domains especially military. Formulating and designing ethical guidelines is another milestone to avoid risks. In addition to this research and development on control of AI is the key to have a successful, ~~the~~ ^{the} ~~from~~ ~~other~~ ~~things~~ society free from the harms of AI.