

Date: Sept/26/2025 / Friday

Topic: Ethical use of AI as a contemporary challenge

Outline:

sir please give marks on it, and then suggestions

1. Introduction

Thesis statement: AI has enormous potential to address complex issues, but its ethical use is a contemporary challenge for humanity as it poses threats to individuals and the environment. However, there are robust measures that can transform unethical use into ethical use of AI, ensuring that the world gains the maximum benefits of this revolution.

2. Ethical use of AI in the world

3. How ethical use of AI is a contemporary challenge

- a) Biased AI contradicts with multicultural ethical values
- b) Lack of enforcement mechanism of ethical use of AI
- c) Complexity of algorithms weakens the ethical oversight due to black boxes
- d) Lack of legal boundaries of ethical use of AI
- ~~e) Absence of any universal definition of ethical~~

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~~use of AI~~

e) Lack of transparency and accountability of ethical use of AI

~~f) Absence of rules and regulations to control use of AI~~

g) Ethical use often clashes with state security priorities

4 Impacts of unethical use of AI

a) Violation of human rights due to unethical use of AI

b) Spread of fabricated audiovisual content made by individuals

c) Weaponization of AI for warfare

d) Unethical use of AI contributes to climate change

5 Solutions to overcome the challenges in ethical use of AI

6 Conclusion

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Essay:

AI has expanded its boundaries across diverse fields of the world. It has revolutionized human life by creating opportunities

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for growth and offering rapid solutions to complex problems. While this enormous potential provides huge benefits to humanity, its excessive and unchecked use raises serious concerns. In contemporary times, the ethical use of AI poses a central challenge to the globe. These challenges include lack of enforcement mechanism and legal boundaries of ethical use of AI. Complexity of algorithms also weakens the ethical oversight due to black boxes. Parallel to this, biased AI contradicts with multicultural ethical values. Moreover, there is absence of universal definition of ethical use of AI. In addition to this, there is also lack of transparency and accountability of ethical use of AI. Unlike above, ethical use of AI often clashes with state security priorities.

Contemporary challenge of ethical use of AI affects humanity, as it violates the human rights. Additionally, unethical use of AI poses threat to individual security by fabricating and misusing content. Along with deepfakes content, unethical use of AI becomes tool for warfare purpose. Besides these, It also contributes

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to climate change. In short, AI has enormous potential to address complex issues, but its ethical use is a contemporary challenge for humanity as it poses threats to individuals and the environment. However, there are robust measures that can transform unethical use into ethical use of AI, ensuring that the world gains maximum benefits of this revolution.

Before discussing the topic,

it is important to know about the ethical use of AI. Ethics is a philosophical concept which means what is moral and ~~immoral~~. So, ethics in AI use means a framework to regulate AI with morality without any unfair outcomes. This framework aims to promote fairness, accountability, transparency, and privacy throughout the AI lifecycle. These principles ensure that powerful technology benefits everyone fairly and responsibly by understanding and applying AI ethics (UNESCO). The ethical use of AI involves developing and deploying AI systems that align with the human values and well-being. AI should be

Try to avoid repetition of same idea again

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fair, transparent, accountable, ~~and~~ emphasizing principles like non-discrimination, privacy protection, robustness, and human autonomy (Capitol Technology University, the ethical considerations of AI, May 2023). By aligning these values and ethics in AI, humanity maximizes its benefit without any concern. However, ethical use of AI faces challenges in today's times.

One of the significant, among them is that biased AI contradicts with multicultural ethically. It ^{because} there is no universal code of ^{embed} ethics in the world. As AI is ~~biased~~ ^{biased} in, it challenges the ethical use of this technology. Such bias ~~opposes~~ ^{opposes} the ethical value of diverse cultures. Ethical values vary from culture to culture and region to region. For one, ^{the} ethical value is different and that values can be unethical for another. According to the United Nations Educational, Scientific, and Cultural Organization (UNESCO) report on AI ethics (2021), biased AI

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systems often fail to treat diverse group fairly, contradicting their universal ethical commitments. Hence, algorithm biased in AI system contradicts with ^{ethical values of} a diverse culture, challenging the ^{use} ethical ~~value~~ of AI.

It is good effort to link one passage with other one

Another challenge to ethical use of AI is the lack of enforcement mechanism. ~~of ethical use of AI~~ The reason is that AI system is complex and requires technical, expertise, resources, and time ~~taking~~. ~~That~~ In contemporary times, there is no such enforcement mechanism for ethical use of AI. As AI is rapidly ~~de~~ evolving with fast pace, It makes difficult for regulation and enforcement mechanism, challenging the ethical ~~use~~ of AI technology. Not only ~~this~~ does this binding force absent at global level, but also absent in national level. Organisation for economic co-operation and development (OECD) have issued the guide lines and ~~enforcement~~ mechanism for ethical use of AI. However, ~~these~~ frameworks remain voluntary and symbolic.

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Thus, the lack of robust enforcement mechanisms ~~means~~ ^{presses} ethical use of AI as global challenge of ~~our~~ contemporary times.

In the same vein, complexity of algorithms weakens the ethical oversight due to black boxes. As algorithms ^{are} trained on large data sets, it makes extremely difficult to detect and correct them. AI ^{system} is operate in black boxes. It extracts data from different sources through different layers, creating web of connections. For data collection. This makes impossible for human to detect the unethical use of AI. Such impossibilities challenge the ethical use of AI and weakens the oversight on AI systems algorithms. According to the research of Massachusetts Institute of Technology on deep learning models, algorithm opacity can conceal bias, making it nearly impossible to detect discrimination until harm is done. When decision-making processes cannot be audited or explained, enforcing ethical

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standards become ineffective. This substantiates that inherent complexity of AI systems weakens the ethical oversight, amplifying the contemporary challenge of governing AI responsibly.

Equally important is the lack of legal boundaries of ethical use of AI.

The reason is that it is often difficult to determine responsibility for errors or harm caused by AI systems. Legal boundaries restrain the use of AI, protecting from immoral usage of technology. However, legal frameworks for usage of AI ethically are absent, making a challenge for ethical use of AI. These include rules and regulations that where it can be used and gain maximum benefits without harming individuals and others. This lack of ~~legislated~~ set boundaries raises the concern ~~about~~ of immorality and unethical use of AI. ~~A case~~^{For instance,} Cambridge Analytica scandal highlights AI-driven data harvesting was used to manipulate elections, yet there were no strong AI-specific laws to hold the company accountable.

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This gap shows lack of legal boundaries makes ethical AI use difficult. It is a case of 2016, but still there is not legal boundaries. This demonstrates that the ethical use of AI is a contemporary challenge due to lack of legal boundaries for its usage.

Similarly absence of any universal definition of ethical use of AI is also contemporary challenge. It impacts the ^{diverse} global values of morality in the world. ~~There is no unanimity in the world. The globe lacks a common definition of ethical use of AI.~~ Therefore, it makes complexity for ethical use, as ethical values change society to society and region to region. ~~AI is a complex technology and its use is changing rapidly.~~ That what to be said is right and what not. Thus, ^{this} challenging the ethical use of AI in the present times. The World Economic Forum (WEF) report (2022) notes that while everyone agrees AI should be ethical. There is not single definition of what ethical actually entails in practice of AI.

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So far you are just explaining the nature of unethical AI

making things operation different due to difference in moral and ethical values.

This illustrates that absence of ethical definition for ^{practical} uses of AI challenges the contemporary times to ethical use of AI.

Analogously, lack of transparency and accountability is also challenge to ethical use of AI in the present time.

It is because vast and proprietary data sets are used ~~to train~~ ^{are used} ~~trained~~ ^{into} AI systems. The

transparency and accountability are still absent in AI systems, ~~challenging the~~

~~humanity and its proper usage.~~ A large

data centers and training of AI through such data input, makes ~~accountability~~ ^{accountability} and

transparency complicated ~~in~~ ⁱⁿ achieving ethical and correct use of AI system. When

individual uses AI ~~improperly~~ ^{improperly} it will cause damage to others because of absence

of ~~an~~ ^{an} accountability of that individual. Thus, this ~~challenging~~ ^{challenging} the ethical usage of AI.

For example, Many AI systems, especially deep learning models, operate as black boxes where

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even developers cannot explain how outputs are generated. This lack of transparency makes it impossible to test their fairness or reliability. This proves that lack of accountability and transparency threatens the ethical practices of AI in the present time.

Last but not the least, ethical use of AI often clashes with state security priorities. It conflicts with the fundamental right of ~~the~~ citizen living in state, and harmful for public goods. State often uses AI for surveillance, data collection and autonomous weapons. ~~This~~ directly conflicts with the individual rights, ~~such as~~ surveillance violates privacy right and data usage and collection violates individual's right to privacy. Thus, ~~ethical~~ state use AI unethically posing a barrier to ethical use of AI in the world. For example, China ~~uses~~ promotes AI for individual's surveillance and data collection that directly clashes with the human rights and ethical usage.

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This ~~is a common criticism~~ often
opposes ~~to the use of~~ priorities,
using ~~the term~~ ethical use of
AI.

These challenges affect the ~~india~~ humanity due to unethical practices of AI. One of major impact is violation of human rights. The reason is that violation of human rights creates confusion and conflict in the country. When AI is used unethically, it violates individual right. A, companies use AI for hiring, it violates the individual right to fair opportunity. This violations is due to presence of biased in AI that used without any fairness. Moreover, AI is also used in court that violates right to fair trial. It is also caused by unethical use of AI. ~~by~~ Amazon in 2018 recruited candidates for vacancies. ~~thru~~ AI. This ~~was~~ ^{was} scrapped ~~due~~ because it was found biased against female candidates.

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This biased contradicts with equal opportunity to all. Ergo, unethical use of AI violates the individual rights.

Another impact of unethical use of AI is spread of fabricated and revised content. It is because this is no ethical principles of AI in the world. When there is no set of limit for AI system, deepfakes increase in the society. Individuals use these deepfakes to harm and to harm others. Even, in present time, politicians use these deepfakes to propaganda ~~and~~ against their rivals promoting ~~their~~ their electoral ~~as~~ campaign. This also increased the ~~work~~ of disinformation in the society, creating chaos and confusion among people and leading to protest and conflict. Moreover, the rival state also used AI unethically by creating fabricated content and spread ~~the~~ its propaganda against another state due to lack of ethical usage of AI.

WEF report 2023 listed deepfakes among the top 10 global risks, as fabricated content fuels misinformation wars and weakens

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social cohesion. Thus, absence of ethical use of AI ~~for~~ ^{for} ~~works~~ ^{leads} to deepened risks.

Along with deepened, weaponization of AI contributes to warfare and conflicts due to unethical usage of AI. It can ~~execute~~ ^{execute} war through cyber attacks or unintentional machine error. AI is unethically integrated in the weapon system. Many states are practicing this unethical use. This can trigger a war due to machine error. Furthermore, such ~~integration~~ ^{integration} of AI into weapons can ~~lead~~ ^{lead} to escalation which exacerbate the conflict between two states.

The ~~situation~~ ^{situation} of nuclear weapons in the world due to unethical ~~use~~ ^{practice} of AI. ~~It~~ ^{It} further threatens the peace and stability in the world by ~~creating~~ ^{creating} chaos and confusion. Stuart

Russel an academic expert in AI warns that autonomous weapons may become the third revolution in warfare after gun power

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and nuclear weapons, making global conflict most likely if ethical controls fail.

This shows that unethical use of AI contributes to nuclear ~~threats~~ by integrating AI in weapons.

Not only does unethical use of AI affect social aspect, but also affects environmental aspects. It contributes to global warming and scarcity of resources.

The spread of AI among individuals raises the concerns of environment too. To run and operate AI, there is need of large ~~amount~~ ^{six} of electricity. The reason is that AI run on electricity and to manage and deal with ~~the data~~ it requires electricity.

This electricity is generated by ~~non-renewable~~ ^{non-renewable} sources that emits CO₂ and other

gases. Moreover, to cool the processors of AI system, it requires fresh water. It ~~produce~~ ^{produce} reduces the fresh water resources

that complex the issue and follow chain reaction. According to a study by the University of Massachusetts Amherst (2022), training a

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single large AI language model emits over 284 tons of CO₂, nearly 100 times the lifetime emissions of an average car. Unethical growth of AI without green regulation drastically accelerates climate change. This highlights that unethical use of AI is a major contributor to climate change in the world.

However, the solution also lies in the challenges. This includes training AI effectively to remove biases and strengthening oversight for ethical practices of AI. Furthermore, set the legal boundaries to clarify where AI should be used and where not. This supports the integration of AI. Moreover, defines the ethical use of AI that which could be universally recognized without contradicting with any cultural morality. Additionally, strengthens the accountability and transparency for ethical practices of AI and maximizes benefits without damaging any one. The UNESCO recommendation on the ethics of AI (2021)

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should be implemented, as it provides solutions for ethical use of AI. It stresses human rights, transparency, accountability and sustainability as guiding principles for AI use.

~~The above mentioned are the challenges before faced by ethical use of AI.~~

To conclude the whole discussion, ~~it is~~ the ethical use of AI is a contemporary challenge. This includes lack of framework for ethical and enforcement mechanism for ethical practices of AI. There is also absence of universal definition on ethics of AI. Ethical use also faces barrier from state to state, with state having different policies. There is also bias in AI that opposes the multicultural diversity in the world. These challenges to ethical use of AI affects the humanity. An unethical use of violates right, it leads to conflict and confusion between people of a certain state. In addition to this, absence of any legal boundaries doing the country towards weaponization of AI that escalates the

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the conflict and ~~ex~~ levels, towards nuclear warfare. However, there are solutions to overcome the challenges in efficient use of AI. By integrating and enforcing ethical mechanisms for AI, humanity can maximize its benefits without damage to anyone and pave the way for development of the world.

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