

# Artificial Intelligence: Its Promise and Perils

## Outline

### 1. Introduction

Artificial intelligence is like a coin having two sides: beneficial and harmful. Artificial intelligence ensures its beneficial use in everyday life, social, economic, and political spheres; on the other hand, it is becoming a threat to several fields of life. However, it can be used only for ethical purposes by following some steps.

### 2. Artificial intelligence: A pathway to success and destruction.

### 3. Promises of AI: Its beneficial use

- a) Guarantees its use in different fields to enhance their efficiency and effectiveness.
- b) Ensures its use for safety purposes.
- c) Assures its use in good governance system.

- d) Offers to boost-up the global economy.
  - e) Promises its use for mitigating the destruction caused by climate change.
- 4) Perils of AI: Its harmful use against humanity
- a) Raising the threat of unemployment.
  - b) Threat to security and personal information.
  - c) Rise of gender inequality in the world.
  - d) Challenge for democracy to grow in the modern world.
  - e) Widening the gap between developed and developing countries.
- 5) ~~For~~ way forward: Use of Artificial intelligence only for beneficial and productive purpose.
- a) Robust ethical designs and frameworks.
  - b) Public engagement and awareness.

c) Enhance its use for social  
services.

d) Conclusion.

Robert Frost wrote a very famous poem named, 'The Road Not Taken'. This poem clearly depicts that humans have always choices to follow the right path or to stray at the wrong path. Similarly, artificial intelligence can be used as a blessing or as a curse. Artificial intelligence has many productive and beneficial uses - including safety, economic progress and good governance system. On the other hand, artificial intelligence poses a great threat to human beings. Artificial intelligence is like a coin having two sides: beneficial and harmful. Artificial

intelligence ensures its beneficial use in everyday life, social, economic and political spheres. on the other hand, it is becoming a threat to ~~sever~~ several fields of life. However, it can be used only for ethical purposes by following some steps.

Artificial intelligence is a pathway to success as well as destruction. Artificial intelligence is a blessing which comes with great responsibility. However, it can be used for <sup>productive</sup> purposes which ensures the progress and prosperity of people, states and the world.

On the other hand, it can be misused for some greedy, meaningless and selfish purposes.

For example, artificial intelligence offers face-recognition technique.

for detecting crimes. According to many critiques, it can be unethical because it leaks the personal information. Hence, artificial intelligence offers ways to progress in life; it can also be used for harmful purposes.

Artificial intelligence guarantees its beneficial use in daily-routine matters and different fields of life. By using artificial intelligence in different spheres of life, humanity can progress by boosting their productive methods. Artificial intelligence has many techniques and apps which are used in specific fields to enhance their productivity and efficiency. For example, it has a technique of 'IBM Watson' which is used for better and faster medical

diagnoses. Similarly, it has many techniques e.g. stock monitoring, pest management, forecasting - used in agricultural field to enhance the productivity of crops. Hence, artificial intelligence is used in many fields of life for the benefit of humanity.

Artificial intelligence ensures the safety of mankind from different kinds of threats, disasters and calamities. Artificial intelligence can be used for the security purposes of mankind. It offers many uses in different ways to secure the humanity. For example, it is used for detonating bombs, curbing human trafficking, identifying suspicious person or customers. Moreover, there was an explosion at the Chernobyl nuclear power

facility in Ukraine. Ukraine has no robots to control the fire, and many people died in the incident. Hence, different kinds of techniques and robots are invested for the security of human beings.

Artificial intelligence ensures the good governance system. Artificial intelligence is used by governmental system to enhance the developmental and progressive measures, to take at the right time. Artificial intelligence ensures the good relationship between citizens and power politics. For example, government comes to know the weak points or areas where the investment is needed. It engages citizens to take several opinions regarding

progressive measures by using artificial intelligence techniques.

CPEC is very crucial for Pakistan as it ensures the progress and prosperity. However, it sometimes, in some areas it has failed to meet the desired end.

Government can use artificial intelligence tool to determine the weak points and strengthen the security measures. Hence, artificial intelligence guarantees the good governance system.

Artificial intelligence offers to boost the global economy. If artificial intelligence is used in different companies, factories, industries, it can boost-up the economy. Moreover, it has many automate systems and techniques which shows better result than human



being. These techniques and system has enhanced the efficiency and productivity in different economical fields. According to a report of European Parliament, Economic Impacts of AI Artificial intelligence, 2019, global GDP may increase by up to 14% by 2030 as a result of accelerating development and take-up of artificial intelligence. Hence, artificial intelligence ensure the economical progress in the world.

Artificial intelligence offers its use to mitigate the destruction caused by climate change. Climate change has become a global threat by causing harm to different sectors of life. However, artificial intelligence can be used to

save humanity from climatic destructions. Moreover, it has many techniques to determine the risk of climate change in different areas and predict the solution. For example, cyclone Fani hit the southeastern states of India in 2019. Indian Meteorological Department predicted this storm by using artificial intelligence based techniques, and evacuated 1.2 million people from that area. Hence artificial intelligence ensures the humanity to save it from climatic destructions.

On the other side of the picture, artificial intelligence posed many serious threats and challenges to humanity. Artificial

intelligence is replacing humans in different fields of life.

However, artificial intelligence has an automate system which is proving itself more effective than human labour.

taking the jobs of many people.

Moreover, it is a threat to

huge unemployment and poverty. According to the survey of World Economic Forum,

2020, Artificial intelligence would take away 85 million jobs globally by 2025. Hence,

artificial intelligence is a great threat of unemployment and jobs displacement.

Artificial intelligence has posed a many serious security threats and to security and personal information.

Artificial intelligence can be

manipulated to gain personal advantages, and became a threat to humanity: Artificial intelligence is used by many people, companies and political powers to breach information for their personal advantages. For example, Cambridge Analytica scandal in 2018 exemplified how personal data from Facebook was harvested and used for political advertisement. Moreover, attacks on Ukrainian government websites in 2022 and Ukrainian power grid hack in 2016, shows that artificial intelligence can be used for breaching personal information. Hence, artificial intelligence challenges the security of personal information.

Artificial intelligence has risen the risks of growing gender inequality in the world. Gender inequality is a sensitive topic in this modern world, and artificial intelligence has aggravated the situation.

A However, many techniques of artificial intelligence has differentiated between males and females for its access or giving males the more privileges. For example, Amazon's recruitment system has declared completely flawed because it gave superiority to males than females. Moreover, many males has its easy access, while many females are still struggling to survive in this modern era. Specially, females from rural areas have no internet access <sup>and knowledge</sup> to take the benefits of artificial intelligence.

Hence, artificial intelligence has widened the gap between males and females.

Artificial intelligence is becoming a challenge for democracy to grow in the modern world. Many states are struggling to implement full democratic government. Artificial intelligence makes their struggles more necessary. Artificial intelligence has misguided the humanity at several occasions - eroding their right of information. Moreover, artificial intelligence has widened the gap between the rich and the poor. Many unequal opportunities and advantages are offered for the rich, and poor people.

find no way to grow. For example, a video on Twitter was circulating which announced that president Biden had re-introduced the draft and many Americans would be sent to Ukraine. This video has a caption "AI imagination". However, this caption disappeared by its circulation, and misguided many people. Hence, artificial intelligence is a great threat for growing democratic system in the world.

Artificial intelligence has widened the gap between developed and under-developing countries. There is a rift between developed and developing countries for different resources and

opportunities. However, artificial intelligence has enhanced this rift by favouring more developed countries. Artificial intelligence is being used by developed countries in different spheres of life. However, developing countries have not much resources to fully implement it in their state. Moreover, artificial intelligence has been offering digital jobs; developing countries are still learning the skills to grow in this modern world. According to a survey, artificial intelligence is fully implemented at the cost of \$20000 to in millions. Hence, artificial intelligence has widened the gap between developed and developing states.



In order to use artificial intelligence only for the beneficial purposes, there is a need to induce ethical designs and frameworks in its system. Many steps are taken in order to enhance its distinction between ethical and non-ethical means. However, many different steps should be boosted-up for its effective use. For example, "Ethical Google's Ethical AI Principles", guide the development and deployment of artificial intelligence. Moreover, "Asilomar artificial intelligence principle" set 23 principles proposed by artificial intelligence. Hence, the work of these system should be boosted-up for the rightful

use of artificial intelligence. Public engagement and awareness is a much needed step to ~~also~~ enhance the effective use of artificial intelligence. Many steps are being taken to enhance the efficiency and rightful use of artificial intelligence. For example, organisations like "AI Now Institute - Symposium" holds symposiums to bring experts and public together in order to discuss the social impacts and ethical implications of artificial intelligence. Hence, such the purpose of such organizations should be taken considerably and effectively.

A There is a need to ~~also~~ enhance the social

use of artificial intelligence, and to diverting the people from its harmful uses. Artificial intelligence can be used for social services and for benefitting mankind. Artificial intelligence has many tools which can be used to social work. With the rise of these beneficial <sup>uses</sup> ~~uses~~, ultimately the harmful usage would be mitigated. For example, it can be used to enhance the cyber security; instead of using it for breaching information. Moreover, it has a technique named "Watson for Oncology", used for to assist doctors in ~~the~~ cancer treatment and its diagnosis. Hence, artificial intelligence should be used for the beneficial purposes instead of deploying it for

harmful purposes.

In a nutshell, artificial intelligence promises its beneficial use for humanity but it has posed many serious threats, at the same time. Instead, there is a blessing with great responsibility. Artificial intelligence assumes its effective role and advantages in many spheres of life. These spheres are extending from individual life to the whole humanity. However, artificial intelligence, has challenged humanity to use it responsibly. It ~~can~~ has many serious threats to security, democracy, ~~societal norms~~ gender equality, employment and to many developing countries. Instead of all these threats, it is

a high time to consider its use with a massive attention. These harmful uses can be overcome by instilling inducing ethical frameworks in the system; raising public awareness, and enhancing its social services.