OB 60
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Artificial Intelligence is not all evil - It can Promote Social Good, too

I. Introduction

a) Hook
b) General Statement
c) Thesis Statement : Since everything has two sides, so does Artificial Intelligence. Artificial Intelligence posses both evil and good side depending on the way it is used.

II. Main Body

1) Understanding what is Artificial Intelligence
2) Looking onto the evil side of Artificial Intelligence.

2.1.1) In education
   a) Plagiarised Content
   b) Inactivity of students

2.1.2) In Health Sector
   a) No privacy of patient's data.
   b) Unauthorised results.

2.1.3) Hurting Ethical values.
- a) No privacy of data
- b) Misuse in terms of information.

2.1.4) Threat to security
- a) AI generated content (deepfakes)
- b) Cybersecurity risks; malwares etc.

2.1.5) Loss of Jobs
- a) A threat to low wage jobs
- b) Replacing riders, drivers etc.

3) Social Good promoted by Artificial Intelligence

3.1.1) In education
- a) Chatbots for queries
- b) Tools for assignment checking

  eg: Nearpeer and Khan Academy.

3.1.2) In Healthcare
- a) Better diagnosis
- b) Polarized treatment & predicting heart attacks

3.1.3)

3.1.3) In Finance
    a) Fraud detection and better calculation
    b) Financial products like robo drivers.

3.1.4) In Manufacturing
    a) Optimized Production
    b) Maximum results

3.1.5) ~~Natural Language Propse~~ Processing
    and ~~Speech~~ recognition.

3.1.5) In farming
    a) Precision farming; LettuceBot tool
    b) More production of yield.

3.1.6) Technological Advancements
    a) Analyze content eg; PrimeAI
    b) Language and speech recognition
    (NLP).

4) Areas where more work is needed.
5) Countries that are working towards
   the advancement of AI.

4. ## Conclusion

    a) Thesis restated

    b) Summarized Ideas

    d) Final thought

The Essay

"Success in creating AI would be the biggest event in human history. Unfortunately, it might also be the last, unless we learn how to avoid the risks." - Stephen Hawking. Therefore, both sides of the Artificial Intelligence has to be taken under consideration. When it comes towards the evil side of Artificial Intelligence, the list starts with the Education. In context to Education a high level of plagiarised content can be seen that is generated through AI tools. The second threat that comes back to back with this is unethical behaviour of students towards AI. Artificial Intelligence possess great threat to the Health sector in terms of privacy of patients data and unauthorised result.

Then comes the threat to global or individual security, that goes around the misuse of information, AI generated content like deepfakes as an increase in the no of deepfakes can be seen with each passing day. Last but no the least, then comes the loss of jobs of individual due to AI specially those who are working in manufacturing factors or low wager jobs. However, Artificial Intelligence provides a huge ground to individuals to excel. In healthcare it provides better diagnosis, in education sector, it provides chatbot and platforms to study from home. Same goes for finance, manufacturing, farming and technological advancements where it provides financial products, optimized production/results, precision farming and analyzation of content, respectively. While looking on the sides of Artificial Intelligence there are countries that are working towards the advancement of AI to grow economically. Hence, as everything possess two sides good and bad, same goes for AI, it just depends on ~~whether~~ the one, who is using it.

To begin with the essay, let's first shed some light on the concept of Artificial Intelligence or AI. It is basically the ability of a computer to perform tasks that are based upon intelligence. Artificial Intelligence boomed after the release of chatgpt, but, now it is offering a vast range of other features as well from language processing to face recognition. Yet, it has both evil and not evil sides.

~~Firstly~~, First explore the evil side of Artificial Intelligence. So,

Firstly, when it comes to the misuse of AI in education. It can be seen that students misuse the use of AI from copying the content (AI generated) to using it in their assignment. Extreme use of AI has encapsulated the use of creativity in students. Hence, AI in education needs more improvement

Secondly, In Health sector the results generated through AI are often not accepted by either the Doctors or the patients due to its lack of inefficiency. Another major threat in the field to Health sector is the inefficiency of protection of patient's data that needs be protected at any cost. Hence AI possess the evil character in the field of Health sector.

Thirdly, the hurting of ethical values. When it comes to unethical values there is a risk of privacy in of data while using Artificial Intelligence. Human data is always at risk whensoever they are using these kind of tools. Then comes the misuse of Information. As it has been seen globally either during any election campaign or during any presidential speech. Information is misused in many different forms. Hence, AI is a great threat towards ethical values.

Fourthly, AI is a threat to security. As a threat to individual's security, AI generated content like deepfake is an

example to that. As soon as you open's the internet you can AI generated content like deepfakes or fake voice notes can be seen all over them. Then comes the cybersecurity risks like malwares, ransomware. These possess a major thread as also there is always a risk of privacy or security. Thus, Artificial Intelligence is a major threat to security.

Finally, it leads to the loss of jobs. As according to Mckinsey report, from 2016-2030 around 400m workers will lose their job due to Artificial Intelligence. Artificial Intelligence leads to the factors of losing job for low wage workers. A It is a major threat to jobs to people like drivers and manufacturing stuff. Thus, it is a major threat leading to the loss of jobs.

So far, we ha this essay has looked over the evils of Artificial Intelligence. and now it is moving toward the goodness of Artificial Intelligence.

First, comes the Education sector. Artificial intelligence has revolutionized the use of technology in education. There have are multiple chatbots created to answer the queries of students. Then comes the educational platforms that provides a platform incorporated with Artificial intelligence tools like assignment checker bots, queries bot these are platforms like nearpeer and khan Academy. So, instead of having some evils, Artificial Intelligence offers more goodness in the field of education.

Secondly, Artificial Intelligence in Health sector has made it easy for diagnosis. According to WHO around 89% of non pre mature deaths is because of non communicable diseases in European region. Which means that the earlier the diagnosis the earlier or better will be the health. As the Human AI error rate is 0.5% compared to 3.5% of Human doctors which means AI is better at diagnosis. It is has also polarized treatment and is efficient

in predicting heart attacks. Hence, Artificial
Intelligence in Health care has so much to
offer.
· Third comes the use of Artificial
Intelligence in finance. AI has been using
in Bank, offices and Industries to manage
finances. The use of Artificial intelligence
~~has~~ made it possible to detect frauds.
Better calculation can be done using
this. Apart from calculations, finance
management and fraud detection,
financial products like Roboadvisors
have been launched as well. Thus, Artificial
intelligence is efficient in the field
of finance as well.
Fourth, comes the manufacting industry.
It is one ~~the~~ ~~to~~ vast industry that
will get benefits from AI. Through the use
of ~~----~~ Artificial Intelligence results has
been maximumized through the
optimization of production. AI power
tools can analyze production data to
indentify inefficiencies and areas for
improvement. This helps manufacturers to

increase productivity and reduce costs. Thus, Manufacturing industry is one of leading industry to get benefit from AI.

Fifth, comes the use of AI in farming. Precision-farming can be done. It can identify and differentiate sprouts from weeds, and isolate weeds for spraying through the tools like the Lettuce Bot. Indian farmers are using AI, which takes data into consideration, like weather change, production and sowing area, to inform them about when to sow. This increases the yield by 30% per hectare, reduced pest related risks and predicted prices upto 3 months. Hence, farming produce/provides a huge scope when used with AI.

Finally, the technological advancement in AI can not be ignored. Analization of content is done on a larger scale. As millions of articles and summaries can be find in a matter of seconds using the tool PrimerAI - complementing

the work of lawyers and public servants. The Natural language processing and ~~face~~ speech recognition (NLP) is also another phenomena through which speech and face recognition can be done. Chatbots are being used to understand the ~~results~~ needs of refugees in 20 languages, applications which have the possibility to improve access to services in multilingual context ~~is~~ at a marginal cost. Thus, the technological advancements can not be ignored ~~as~~ with the help of AI it offers social goods.

So far this essay has delivered the evil and social goods of AI now looking forward to the Areas in AI where more is need.

While offering both the evils and social goods of AI. Applications of AI need to be led by lives and livelihoods, not just by data points. As Bangladesh's focus on ensuring that AI drives both economic and social growth. Similarly, putting people at the ~~the~~ center of AI thinking, scaling is crucial. As a model named DEEP suggested

UNDP is what that needs to be done.
The DEEP lens can be expanded as
~~D → Democratise or Demysti~~
Democratise, Empower, Explore/Experiment, Protect
which means everyone needs to understand
the usage and risks of AI, people should
be supported to use AI then AI needs
to be tested in a secure way and people's
rights and safety should be kept at
center. Thus, through these steps the
use of AI can be made better.

    As the need of hour has been discussed
now the essay will move towards the advance-
-ments that has been done with different
countries.

    So, the countries have been moving
with technological advancements. Colombia
has crafted a National AI strategy with
the aim of leveraging artificial intelligence
to empower its citizens and drive economic
prosperity. Whilst Nigeria is engaging its
overseas diaspora to guide the country
in leveraging AI for national benefit,

The government of South-Africa has established a Presidential Commission on the fourth Industrial Revolution to explore how emerging technologies could shape the country's future. Finally, AI is more than Sillicon valley. It is about the Sillicon Savannah where AI startups are approaching in $100m in funding in Kenya. It is about an emerging regional approach from Latin America to Thailand efforts to shape an ecosystem of AI by 2027. According to a PWC report China and North-America are likely to be home to 70% of global impact of AI. while North-America is expected to see as much as a 14% GDP boost from AI by the year 2030, while China is expected to see a GDP boost of as much as 26% by 2030.

In conclusion, Artificial Intelligence along with its evil side provides social benefits as well. On the negative side it possess threat to security, information, jobs, cybersecurity risks and privacy of data. Whereas, on the other hand it possess

provides revolutionized education and healthcare, better finances, better crop production, manufacturing and technological advancements. However, having both sides of AI it depends upon the ~~mes~~ one who is using it mostly. ~~and~~ There is a wide range of social goods provided by the AI. Apart from good and bad sides there are certain areas in which work needs to be done. From people to learn the usage and risks of AI to support provided to them to use AI. Everything almost comes under one umbrella. Then comes the advancements that has been done by the nations.

As the size of worldwide AI industry is predicted to hit a staggering $1811.8b in the fiscal year 2030. Also China and Northern America are likely to home to 70% of the global impact of AI. Therefore, AI is providing a major global shift in the market as said by Andrew Ng that AI is like the electricity. Just as electricity transformed every major industry a century ago. AI is now posed to do the same.