

English Essay

Artificial Intelligence: Blessing or Menace

Outline

Focus on
deconstruction of the
topic
Rest is fine

1. Introduction

1.1. Hook / Background

1.2. General statement

1.3. Thesis statement

2. Artificial Intelligence is a blessing for our society

2.1. Revolutionizing technology across the globe

2.1.1. Automated cars are taking the world by storm

2.1.2. Advent of robots

2.1.3. New era of chatbots

2.2. Modernizing education system

2.2.1. Tailored learning experience

2.2.2. Intelligent tutoring systems

2.2.3. AI assistants for administrative purposes

2.3. Transforming online banking systems

2.3.1. Swift detection of frauds

2.3.2. Analyzes millions of transactions

2.3.3. Reduces fraud losses in real time and enhances customer service

2.4. Streamlining customer experience in online shopping

2.4.1. Personalized product recommendation

2.4.2. Optimizes pricing and estimates shipping

2.4.3. Chatbots provide instant response to queries.

2.4.4. Virtual try-on.

2.5. Enhancing healthcare capabilities

2.5.1. Personalized treatments

2.5.2. Rise in precision-medicine

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- 2.5.3 Analysis vast number of clinical documentation ✓
3. Artificial Intelligence can be a menace too ✓
- 3.1. Loss of jobs due to ~~AI~~ replacements by AI ✓
- 3.2. Disinformation ✓
- 3.3. Privacy concerns ✓
4. Conclusion ✓

Suggest remedial measures for these menaces

The Essay

Imagine waking up to a world where machines not only enhance our daily lives but also help us solve the most pressing challenges of humanity - hunger, diseases and climate change. Instead of fearing Artificial Intelligence, humans need to embrace it as our greatest ally in building a better future for all. Over the years, Artificial Intelligence has matured and is integrating into our lives at a fast pace. From Siri helping us set ~~our~~ our reminders for appointments, playing songs, ~~with~~ reading recipes and telling us the latest ^{weather} forecast in real time to chatbots popping up on websites, engaging users and answering urgent queries in seconds. However, applications like ChatGPT and Midjourney are bringing renewed attention to AI and are taking the world by storm. In fact, AI has been a major blessing for humans. It has revolutionized the technology, modernized our education system, transformed online banking and enhanced our healthcare capabilities and taken them to a next level. Although, the

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emergence of AI has created issues such as loss of jobs, disinformation etc., if carefully deployed, Artificial Intelligence has the potential to do wonders for the mankind.

One major breakthrough of Artificial Intelligence has been in the automation of technology such as automated cars and as a result, self-driving cars have become a reality. Companies like Tesla have introduced self-driving cars which reduces human workload as a driver and can drive ^{for} hundreds of kilometers without getting tired. Similarly, Waymo offers world's first autonomous ride-hailing service that individual can book via an app and travel across the city. On the other hand, companies are building more intelligent and human like robots to assist humans and decrease our workload. Recently, Tesla introduced a humanoid robot known as Optimus ^{Generation 3} can perform variety of tasks and assist human in household chores like getting groceries, cooking, cleaning, mowing the lawn etc. Moreover, we have also stepped into the world of chatbots that now popup on every other website. Amongst them, ChatGPT was a breakthrough which is an intelligent text-base AI tool. It provides human like responses, can learn by itself and improve over time. It is constantly available and performs repetitive task automation, create text, content, provide feedback etc. All these technologies prove that humans have entered a new era of technological advancement.

Artificial Intelligence has completely modernized the education system. Now, children and students can have a tailored learning experience where AI produces personalized content (as per the needs of student and their goals) and creates a more adaptive and responsive learning environment for students. Similarly, AI is also helping student via intelligent tutoring systems that enable one-on-one learning. One example is Magic School, which generates custom lesson plans by understanding student behavior and predicting when the student will be ready to learn next concepts. AI has also changed the way, the tutors worked and taught. Nowadays, several AI tools/assistants are helping teachers do their work more efficiently. AI-driven insights analytics provide valuable insights into student's performance and learning trends. This enables teachers to personalize learning experience, give attention to weak students and adapt to their learning pace. Similarly, AI assistants can help automate and streamline administrative tasks such as grading assessments, making lesson plans and providing feedback, allowing teachers to have additional time with their students.

AI has also transformed the online banking system. With the help of AI, banking companies can now easily and quickly detect frauds. AI has been playing a pivotal role by enhancing data analysis, predicting trends and improving customer service by detecting frauds. AI also analyzes

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massive amounts of structured and unstructured data to uncover insights that would be impossible for humans to detect on their own. Banks are now using AI algorithms to analyze market data and news quickly and guide investment decisions and trading strategies. Also, insurance companies use AI to predict the risk of fraud accurately and in real time. Hence, integration of AI into the banking sector saves significant cost while improving customer service and reducing cost.

AI is streamlining customer experience in online shopping. Currently AI ~~is reading~~ reads shopping history, patterns and trends and give personalized product recommendation to customers. This can make customers feel valued and understood and can in turn increase brand loyalty and sales. Retailers/online clothing brand are making the most use of it. Similarly, AI also enables optimizing pricing and estimate shipping time which smoothes the overall shopping experience of the customer. Moreover, chatbots that popup on these sites are active 24/7 to respond to customer queries. One creative option that several websites are now providing is the virtual try-on where AI allows customers to virtually try-on their clothes. This not only increases customer satisfaction but also boosts sales. Another example is V-surfaces, currently operating in Pakistan. It allows users to virtually place furniture and rugs in their houses and offices to enable easier selection. All of this is making the

overall online shopping experience more easier, quick, efficient and credible.

Artificial Intelligence is enhancing the healthcare capabilities across the globe. It has been ground breaking as it is shaping the way in which humans diagnose, treat and monitor patients. AI has enabled healthcare professionals to create personalized treatments and make informed decisions. Similarly, one major breakthrough is precision-medicine that can detect diseases ~~before they occur~~ and predict effective form of treatment. One such example is the deep learning model of Google that could detect breast cancer in mammograms with greater accuracy, fewer false positives and personalized treatment plans. Another example is the launch of ^{BodyScan} ~~Neto Health~~ - a 360° body scanner equipped with sensors that collect more than 50 million data points on the skin, heart, vessels, organs etc. It self-analyzes the data and give a full body assessment. It is so accurate that it ~~in short~~, it can prevent diseases before they will occur by ruling out all the associated anomalies in the body. On the other hand, AI in medicine also analyzes a vast number of clinical documents and keep record of every little detail. This saves time and enable doctors to perform efficiently.

Artificial Intelligence has immense benefits but it can be a menace too with the advance

of AI, hundreds of jobs have become obsolete and millions have been laid off. According to the World Economic Forum (WEF) Future of Jobs Report, automation and artificial intelligence might replace almost 85 million jobs worldwide by 2025. However, despite job loss concerns, AI will also automate routine tasks, increase efficiency and still require human labour. Artificial intelligence has also led to issues of misinformation and disinformation. AI tools have the capability to generate fake images, news and audio that can be hard to distinguish from the real information. However, AI can also help fight this disinformation. AI algorithms can detect fake information quicker and can reduce fictitious content. Moreover, with growing AI, people have also voiced out privacy concerns. Data breach can take place as AI systems are capable to gather large amount of information. However, extensive regulations can solve this issue and reduce such issues.

In a nutshell, Artificial Intelligence is one of the greatest blessing in today's world. It is enabling automation in every aspect of our lives. From travelling to banking, shopping, studying, working to moving towards a more technologically advanced world. However, it can be a menace if we allow it to trample all over us. Therefore, it is important to put in place effective regulations. In March 2024, European Union adopted the "EU Artificial Intelligence Act" - the world's first comprehensive AI law. The law

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covers topics such as data quality, transparency, accountability and human oversight. It also classifies AI systems by risk level, prohibiting those that present an 'unacceptable' risk. Similarly, countries like Switzerland are also finalising their AI regulatory proposals. These actions prove that Artificial Intelligence when regulated can prove to be a blessing for humans.

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