Advantages and Disadvantages of AI

Tushar B. Kute,
http://tusharkute.com
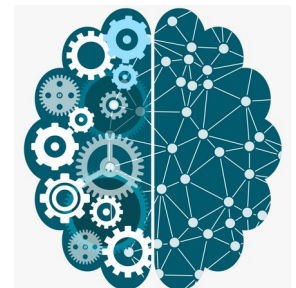
Advantages of Artificial Intelligence

- Reduction in Human Error
  - One of the biggest advantages of Artificial Intelligence is that it can significantly reduce errors and increase accuracy and precision.
  - The decisions taken by AI in every step is decided by information previously gathered and a certain set of algorithms.
  - When programmed properly, these errors can be reduced to null.

- Zero Risks
  - Another big advantage of AI is that humans can overcome many risks by letting AI robots do them for us.
  - Whether it be defusing a bomb, going to space, exploring the deepest parts of oceans, machines with metal bodies are resistant in nature and can survive unfriendly atmospheres.
  - Moreover, they can provide accurate work with greater responsibility and not wear out easily.

Advantages of Artificial Intelligence

- 24x7 Availability
  - There are many studies that show humans are productive only about 3 to 4 hours in a day.
  - Humans also need breaks and time offs to balance their work life and personal life. But AI can work endlessly without breaks.
  - They think much faster than humans and perform multiple tasks at a time with accurate results.
  - They can even handle tedious repetitive jobs easily with the help of AI algorithms.

- Digital Assistance
  - Almost all the big organizations these days use digital assistants to interact with their customers which significantly minimizes the need for human resources.
  - You can chat with a chatbot and ask them exactly what you need.
  - Some chatbots have become so intelligent these days that you wouldn't be able to determine whether you are chatting with a chatbot or a human being.

Advantages of Artificial Intelligence

- New Inventions
  - AI has helped in coming up with new inventions in almost every domain to solve complex problems.
  - A recent invention has helped doctors to predict early stages of breast cancer in women using advanced AI-based technologies.

- Unbiased Decisions
  - Human beings are driven by emotions, whether we like it or not.
  - AI on the other hand, is devoid of emotions and highly practical and rational in its approach.
  - A huge advantage of Artificial Intelligence is that it doesn't have any biased views, which ensures more accurate decision-making.

- High Costs
  - The ability to create a machine that can simulate human intelligence is no small feat.
  - It requires plenty of time and resources and can cost a huge deal of money.
  - AI also needs to operate on the latest hardware and software to stay updated and meet the latest requirements, thus making it quite costly.

Disadvantages of Artificial Intelligence

- No creativity
  - A big disadvantage of AI is that it cannot learn to think outside the box.
  - AI is capable of learning over time with pre-fed data and past experiences, but cannot be creative in its approach.
  - A classic example is the bot Quill who can write Forbes earning reports. These reports only contain data and facts already provided to the bot.
  - Although it is impressive that a bot can write an article on its own, it lacks the human touch present in other Forbes articles.

tusharkute
.com

Disadvantages of Artificial Intelligence

- Increase in Unemployment
  - Perhaps one of the biggest disadvantages of artificial intelligence is that AI is slowly replacing a number of repetitive tasks with bots.
  - The reduction in the need for human interference has resulted in the death of many job opportunities.
  - A simple example is the chatbot which is a big advantage to organizations, but a nightmare for employees.
  - A study by McKinsey predicts that AI will replace at least 30 percent of human labour by 2030.

tusharkute
.com

- Make Humans Lazy

  - AI applications automate the majority of tedious and repetitive tasks.

  - Since we do not have to memorize things or solve puzzles to get the job done, we tend to use our brains less and less.

  - This addiction to AI can cause problems to future generations.

- No Ethics
  - Ethics and morality are important human features that can be difficult to incorporate into an AI.
  - The rapid progress of AI has raised a number of concerns that one day, AI will grow uncontrollably, and eventually wipe out humanity.
  - This moment is referred to as the AI singularity.

Summary

- Artificial intelligence has massive potential for creating a better world to live in.

- The most important role for humans will be to ensure that the rise of the AI doesn't get out of hand.

- Although there are both debatable pros and cons of artificial intelligence , its impact on the global industry is undeniable.

- It continues to grow every single day driving sustainability for businesses.

Thank you

This presentation is created using LibreOffice Impress 7.0.1.2, can be used freely as per GNU General Public License

@mitu_skillologies

/mITuSkillologies

@mitu_group

/company/mitu-skillologies

MITUSkillologies

Web Resources
https://mitu.co.in
http://tusharkute.com

contact@mitu.co.in

tushar@tusharkute.com