

AI Investigation

Friday, 10 March 2023

Aspire

To have learned about the term 'artificial intelligence' and numerous aspects of this technology.

Challenge

To have learned about the term 'artificial intelligence' and some aspect of this technology.



Artificial Intelligence

Artificial Intelligence, or AI, is **intelligence demonstrated by machines**, rather than humans. Today's task is to conduct some research into one or more of the tasks overleaf...

Artificial Intelligence Research Task

Research the topic of Artificial Intelligence. You can choose to complete as many of the topics as you wish, but you must research them in detail. You may want to write a report, create a presentation, or produce a poster to help explain your research.

1. **Introduction to AI:** Begin by researching what AI is, how it works, and why it is important. Consider looking at different types of AI (e.g., machine learning, natural language processing, computer vision) and their applications.
2. **Historical Overview:** Research the history of AI and its development over time. Consider notable figures and their contributions, important events, and key breakthroughs.
3. **Ethics of AI:** Investigate the ethical considerations surrounding AI development and use. What are some of the potential benefits and risks of AI, and how can we ensure that AI is used ethically and responsibly?
4. **Technical Aspects of AI:** Explore the technical details of AI development. Consider how data is collected and processed, the different types of algorithms used, and the challenges of training AI models.
5. **Applications of AI:** Research the many different applications of AI across various industries, including healthcare, finance, transportation, and entertainment. Consider the potential impact of AI on these industries and how it may change the way we live and work.
6. **Future of AI:** Investigate where AI is headed in the future. What are some of the key areas of research and development, and what new applications might emerge?
7. **Career Paths:** Explore potential career paths in the field of AI, such as machine learning engineer, data scientist, and AI researcher. What qualifications and skills are required for these roles, and how can you prepare for a career in AI?
8. **Critique of AI:** Investigate the criticisms of AI, including its potential to reinforce existing social biases and its lack of creativity. Research possible solutions to these issues.
9. **Current Events:** Keep up to date with current events related to AI by following news sources and attending events related to AI development and use.
10. **Final Project:** Choose a specific topic related to AI that interests you and conduct a research project on it. This could be a literature review, a case study, or a research paper.

