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<center>Natural Need for More</center>

For years, the media has been creating fear around Artificial Intelligence saying it is ==inevitable== it will become more intelligent than its creators and overtake humanity as we know it. That eventually, someone will program a machine so technologically advanced that no human could compare. They make AI seem like a detriment due to the danger that could come with all of the positives. Artificial Intelligence is a benefit to society because it continues to help us progress on subjects such as space exploration and healthcare.

Rovers have been exploring Mars to study the ==peat==, find any living organisms, and see if it is livable for humans. When creating a machine that could collect and process data all on its own, scientists looked at Artificial Intelligence as an answer. The Mars Rover "Perseverance" is using AI to collect data on microscopic life and to pilot where the rover is ==skittering==. In an article, it states, "AI will also be used aboard Perseverance for navigation on the planet's surface over the life of its mission, as well as for the landing and a variety of other scientific tasks" (Greicius). This means that AI is crucial for the success of this space mission and will further knowledge about a planet we know very little about. Furthermore, this proves that AI is beneficial because we wouldn't have the same results of a very important mission without its use. In addition, Artificial Intelligence has started to be used to support satellite connections and communications. Communication is crucial not only between Earth and satellites but also

amongst the satellites. AI will help make these things easier and more efficient. When speaking about the application of AI in spacecrafts, Spacecraft Manager David Evans explained that "AI is a broad term for an effectively infinite toolbox" (European Space Administration). This explains that AI is an instrument that will assist in improving mechanics. It is an asset and important to creating a better future.

In order to ensure a hale tomorrow, we need to improve our healthcare system. From sharpening diagnoses to shortening recovery time, AI can be utilized. AI will figure out the most accurate procedures but the technology hasn't been completely accepted and some see it as fruitless. However, the biggest gain can come from administrative work done by AI. An article explains, "AI in healthcare can be used for a variety of applications, including claims processing, clinical documentation, revenue cycle management and medical records management" (Forsee Medical). This proves the value of incorporating it in hospitals. In a time with pandemics and epidemics, we need all of the support we can get, including non-human support.

While study after study has been done about AI, there are still uncertainties. There has been research done that shows AI will potentially overtake human intelligence within the next fifty years (MIT Engineering). This scares people due to the unknowns that come with it. Some are even worried that AI will develop human emotions and take revenge on humans. This fear-based, glorified rumor isn't backed up by any facts. All it really does is distract the public from all of the good AI does. In conclusion, Artificial Intelligence benefits society due to how it advances healthcare and space research.

Works Cited

"Artificial Intelligence (AI) in Healthcare & Hospitals." *ForeSee Medical*,

https://www.foreseemed.com/artificial-intelligence-in-healthcare.

"Artificial Intelligence in Space." *ESA,*

https://www.esa.int/Enabling_Support/Preparing_for_the_Future/Discovery_and_Preparati

on/Artificial_intelligence_in_space.

Greicius, Tony. "February 2021 – Perseverance Mars Rover." *NASA*, NASA, 18 Feb. 2021,

https://blogs.nasa.gov/mars2020/2021/02/.

"When Will AI Be Smart Enough to Outsmart People?" *Mit Engineering*,

https://engineering.mit.edu/engage/ask-an-engineer/when-will-ai-be-smart-enough-to-outs

mart-people/.