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ACADEMIC ESSAY

Have you ever wondered why YouTube and Netflix recommendations usually suit your preferences just from search history? Other than that, have you ever thought how smartphones with biometrical features are able to recognize their owners? The answer is with the help of Artificial Intelligence (AI). According to the Oxford English Dictionary, AI is “the capacity of computers or other machines to exhibit or simulate intelligent behaviour” (Oxford English Dictionary, n.d.). Meanwhile, Wikipedia defines AI as “the capability of computational systems to perform tasks typically associated with human intelligence, such as learning, reasoning, problem-solving, perception, and decision-making” (Wikipedia contributors, n.d.). Currently, AI has become the de facto aspect of modern civilization. However, does AI really improve human quality of life, or does it pose risks? From our perspective, AI brings significant improvements to human life by advancing medical fields, transforming educational systems, and breaking down barriers for people with disabilities.

Firstly, AI brings more good than harm because it plays a vital role in medical fields. How is AI able to transform healthcare departments? According to Muhammad Tuhin, AI’s entry into medicine does not replace human touch but rather amplifies human capabilities. It helps doctors diagnose diseases faster and more accurately, customize treatments to the genetic blueprints of individual patients, manage hospital workflows, predict outbreaks, assist in surgeries, and even tackle administrative burdens that drain precious time (Science News Today, n.d.). Furthermore, Eric Topol, MD, author of *Deep Medicine*, confirms that AI will not replace human doctors anytime soon but will profoundly impact the way medicine is practiced (Microsoft, n.d.). Today, an example of AI development in medical fields is automated documentation and electronic health record (EHR) management, which enhances clinical practice for healthcare professionals and health system leaders while promoting greater population health and overall health equity throughout the healthcare business (Perez, 2025). Due to this, AI should not be treated as a threat to human jobs but rather as a tool to expand treatment methods and ensure more lives can be saved. Therefore, it is proven that AI assists doctors in medical fields rather than replacing them.

Next, we believe AI can significantly enhance human learning and education by offering adaptive learning platforms for students and teachers. One of the ways AI contributes to the improvement of education is by providing personalized learning. AI tools can receive continuous feedback from students and teachers, allowing them to be customizable for everyone regardless of their learning methods and understanding (Walden University, n.d.). For instance, AI assistance can help students and teachers complete tasks and work more efficiently. AI tools such as Grammarly and Copilot assist them by giving almost instantaneous answers and suggestions to every question and request regarding their work and tasks (Walden University, n.d.). Thus, AI’s adaptability and efficiency makes it an amazing tool for the improvement of education.

Additionally, we realize A.I has the potential to greatly improve the lives of human with disabilities. AI has come a long way with its self-evolution and self-learning making it easily programmable to help those in need of its assistance. For example, generative AI can enhance assistive technologies by powering tools like speech-in-text, image-to-speech conversion, and adaptive interfaces which will benefit individuals with reading, visual or cognitive impairments (Ho, 2025). Other than that, the era which AI will soon be our helpful associate is coming where large-scale platforms are slowly accepting A.I. In instance, A.I-based platforms are used in learning and healthcare to support conditions such as autism, dyslexia, ADHD, and mental health challenges by offering personalized and interactive solutions (Ho, 2025).

Nevertheless, AI is also believed to worsen students' learning ability due to too much reliance on AI to solve their problems and come up with solutions. This will result in many negative impacts such as increase of cheating during exams and dishonesty during learning (Walden University, n.d.). However, those problems can be easily managed with the application of strict rules and AI detection technology. Nonetheless, AI is a tool that, if used correctly, will help make a significant change in the learning and education system because of its abundance of benefits for both students and teachers (Walden University, n.d.).

In summary, artificial intelligence is becoming an important essence in improving human's quality of life better than before. With its assistance, large amount of data can be analysed rapidly, thus making it an ease of work for humans to solve complex problems with precise solutions. While A.I can still act as a threat towards human development but if A.I is implemented wisely, they can be a powerful collaborator humans could ever dream of. In short, A.I helps improve medical profession, transform educational systems, and foster connections for people with connections.

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