

Artificial Intelligence: The Death of Creativity.

1. Introduction

Thesis statement

Artificial intelligence has helped human kind achieve many milestones yet it threatens to kill the creativity by leading to a more mechanical and uniform expression of art, thought, and imagination. However responsible usage of AI can help boost human creativity.

2. Defining Artificial intelligence and creativity

- (i) AI a revolutionary invention
- (ii) wonders creativity can do.

3. How is AI causing death of creativity?

- (i) Automation of creative features making humans lazy.
- (ii) Homogenization of art and devaluation of artistic skills.
- (iii) AI dependence on algorithms and deciding the trends.

- (iv) Promotion of the content lacking emotional depth.
- (v) Work place replacement of humans by AI.
- (vi) AI in education: Stifling student creativity.

4. Road way to achieve more creativity by responsible usage of AI.

- (i) Prioritizing ethical AI development
- (ii) Implementing strong regulatory framework.
- (iii) Encouraging Human-Artificial intelligence collaboration.

5. Conclusion.

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"AI is expected to contribute over \$15 trillion to the global economy by 2030, but at what cost to human creativity? As machines take over, are we facing a future devoid of originality?" In recent years, artificial intelligence has infiltrated nearly every aspect of life. From health care to entertainment, AI is transforming industries and reshaping the way we think, work and create. While AI offers undeniable advantages, such as increased efficiency, data analysis, and automation of mundane tasks, there is a growing concern over its impacts on human creativity. AI is causing the death of human creativity by automation of creative tasks, lack of originality, depending on algorithms and undermining human imagination and experimentation. However, all is not lost and responsible use of AI can help and increase human creativity by suggesting ideas and allowing humans to shape those ideas according to their own

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personal experiences.

Artificial intelligence refers to the development of computer systems that can perform tasks typically requiring human intelligence. These tasks include learning, reasoning, problem solving and recognizing patterns. AI encompasses a broad range of applications, from simple rule-based systems to advanced machine learning models that can adapt and improve over time without explicit programming.

AI does wonders in automating mundane and repetitive tasks, freeing up human workers for more creative and complex jobs. AI systems, like machine learning algorithms, are used to analyze medical images, predict disease progression and assist in diagnosing conditions more accurately.

According to McKinsey & Company's, as of 2023, 77% businesses are using or exploring AI in their operations, compared to just 33% five years ago. Personalized user experience is another major benefit provided by AI. AI

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power recommendation engines such as used by streaming platforms or online retailers like Amazon. The possibility of AI to generate art work such as music, literature, and even video content has become a reality. AI can create images, compose music, or even write stories that mimic human creativity. AI powered educational tools are revolutionizing learning by providing personalized tutoring, adaptive learning systems and automated grading. In fact AI is used in every field these days and it is doing wonders.

Creativity is basically the ability to generate new and original ideas, concepts, solutions or artistic expressions that are both novel and valuable. It involves thinking beyond conventional boundaries, combining existing knowledge in innovative ways and often challenging the status quo. Creativity can manifest in various forms, including art, science, technology, and every day problem solving.

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creativity is not only limited to artistic fields but is essential in science, engineering, education, business and social innovation, where novel solutions and ideas are needed to drive progress. Creativity involves imagination, innovation, originality and problem solving which are all developed through a combination of personal habits, experiences, learning and mindset. It is a skill that can be nurtured and enhanced over time.

What? A curious mind is essential for creativity, because imagine humans were not curious about flying, would aeroplanes had been invented? Or if the idea of conquering and travelling through the ocean had not crossed human mind, would there be any boats or ships. Precisely all the development that has been seen in today's world is indebted to an idea that developed through creativity, and that idea led to the success of technology and innovation in every field of life.

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Creativity is a distinct trait that has been long possessed by humans, but the technological evolution and its astonishing advancements has made humans to rethink the former statement. Research by cognitive scientists suggests that human creativity is deeply tied to emotional intelligence and subjective experience, which AI lacks. At the same time the parts of human brain responsible for the process of thinking are being studied, which means it might be possible for humans to incorporate cognitive thinking into the machines in coming years. An overlook of how AI is threatening creativity is given in the paragraphs below.

The automation of creative features raises important concerns about the future of human creativity.

Automation of creative features by AI involves using algorithms, machine learning models, and mimicking creative models processes, or assisting in creative tasks that were originally performed by humans. AI use data driven creativity

to automate creative features. These models learn patterns, styles and trends from the data and use them to generate new content. According to Accenture, around 85% of creative professionals believe that AI will revolutionize the creative industry, especially in areas such as advertising, media planning, and design. AI threatens to kill the creativity because AI models are trained on past works, they tend to reproduce similar ideas, limiting diversity and originality. This increasing automation by AI might reduce human involvement in the creative process, leading to a decline in hands-on creativity. If machines can generate content efficiently, humans might rely too heavily on AI, diminishing their creative thinking and problem solving skills. This could also result in a less engaged and less creative human work force.

Homogenization of art by AI refers to the tendency of artificial intelligence systems to produce art that lacks diversity

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and uniqueness due to reliance on existing patterns, styles and data. Artists often draw inspiration from the diversity of styles, techniques and cultural influences, when art becomes homogenized, it means that many artworks start to look and feel similar. This lack of diversity by the art produced by AI and its over production causes artists to be less inclined to experiment with new forms or unconventional methods. The reliance on familiar, standardized outputs can reduce the willingness to take creative risks in humans, so they become less creative themselves. "Portrait of Edmond de Belamy," which was auctioned for \$432,500 in 2018 at Christie's marked a significant moment for AI's role in the art world, where AI created content is seen as valuable and marketable. ^{Humans} Artists find themselves competing to the marvels of AI, which makes them demotivated and relying overly only on AI.

and not involving their own creative skills.

An algorithm is a set of instructions or rules that a computer follows to perform a specific task or solve a problem. In AI, these algorithms dictate how the system processes data, learns from it and makes decisions or predictions. AI algorithms are designed to recognize and reproduce patterns based on existing data. As humans rely more on AI tools, they may begin to imitate these algorithmic patterns, reducing their drive to create something truly original. As AI algorithms are structured to produce optimal results, they may discourage humans from exploring unconventional or experimental ideas that fall outside established norms. This can restrict creative thinking among individuals, as individuals may become more focused on what algorithms deem "successful" or "popular." Algorithms, especially in social media and entertainment, shape much of what

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people see and engage with. This can influence the kinds of creative content that gain popularity, often reinforcing already familiar patterns and discouraging truly new or disruptive forms of creativity from gaining attraction.

Art often serves as a medium for understanding and sharing human emotions and perspectives. Human creativity often stems from personal struggles, passions, and experiences AI lacks the lived experiences and emotional complexities that human creators bring to their work. Art, music, literature, and other creative forms are often deeply tied to human emotions like joy, sorrow, love and conflict. AI generated content, while technically proficient, lacks this emotional depth. As humans increasingly rely on AI for creative tasks, they may begin to produce art that is more technically polished but less emotionally resonant, leading to a decline in the depth and richness of

creative expression. Many of the most powerful creative works are imperfect and raw, reflecting the creator's emotional state, struggles, or inner conflicts. AI, which operates on logic and efficiency, often produces "clean" or highly structured results that lack the messiness of human emotion. As humans lean more on AI-generated content, there could be a trend toward polished but emotionally shallow creation, leading to a decline of creativity.

Job replacements by AI can lead to the "death of creativity" among humans by reshaping industries, work environments, and individual roles in ways that diminish opportunities for creative engagement. AI is often introduced to increase efficiency and reduce costs. As more jobs are automated, there's a tendency to prioritize tasks that AI can perform quickly, potentially sidelining creative work that requires slower, more reflective processes. In a work culture dominated by AI, creativity may be

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seen as less valuable than productivity, leading to a de-emphasis on innovation. According to a report by McKinsey Global Institute, 15% of the global workforce, or 400 million workers might lose their job to AI by 2030. Many creative roles require critical thinking and problem solving. When AI takes over these roles, individuals lose opportunities to engage in creative problem solving that helps them develop new ideas, techniques, or solutions. With fewer challenges to solve creatively, human workers may lose their drive to think outside the box, limiting their creative growth. AI can produce creative content such as paintings, logos, articles or artwork in much smaller time as compared to human creators. When AI-generated content floods markets, human creativity may be viewed as unnecessary expense, causing creators to feel demotivated or marginalised.

"Engraving on youth is like engraving on stone." That means

Lessons or impressions made during youth are long lasting and difficult to erase. AI is impacting the creativity of youth in education by changing how they engage with learning and limiting their opportunities for original thought. AI tools such as advanced calculators, writing assistants, and homework help apps, can solve complex problems quickly, reducing the need for students to engage in critical thinking or develop creative problem solving skills. Over reliance on these tools may lead to a diminished ability to explore unique solutions on their own. When AI provides answers or pre-packaged solutions, students might lose motivation to explore topics on their own or experiment with different ways of thinking. Instead of actively engaging in the learning process, students may passively rely on AI-generated answers, reducing their drive and curiosity for innovation. Moreover, hands-on experiments, artistic expression, group projects may be replaced

by AI based learning tools.

Multifaceted impacts of artificial intelligence on creativity have been explored. It is clear that using AI responsibly is crucial to benefit from its benefits, advantages while avoiding potential problems, the biggest of which is death of creativity.

Following recommendations aim to address the balanced approach of using AI.

Prioritizing ethical AI

development means focusing on creating and using AI technologies in ways that align with moral standards and human values. This involves ensuring that AI systems are designed to be transparent, accountable, and fair, and they don't perpetuate biases or cause harm. This approach helps avoid the death of creativity by ensuring that AI supports and enhances human creativity rather than diminishing it. Ethical AI development encourages using AI as a tool that augments human abilities, fosters innovation, and opens

new avenues for creative expression, rather than simply automating tasks or imposing limitations on creative processes.

Implementing a strong regulatory framework in the usage of AI helps avoid the death of creativity by setting boundaries that prevent AI from being used in ways that could replace human creativity. Enforcing rules and guidelines that govern how AI technologies are used and developed can include safety, privacy and accountability to ensure AI systems operate responsibly. By having clear regulations, we can ensure that AI supports and enhances creative processes, rather than dominating them or limiting the scope for human innovation. A strong regulatory framework also stops AI from taking over creative fields, making sure that human ideas stay important in art and innovation, so that AI works alongside humans rather than replacing it.

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Death of creativity can be avoided by encouraging AI and human collaboration which also includes to educate the public on responsible usage of AI. First of all use AI as a tool and not a replacement for human creativity. Because AI can handle repetitive and data heavy tasks, freeing humans to focus on the creative, imaginative aspect of work.

AI can analyze large datasets while humans can apply creative thinking to interpret these insights into innovative ways. This partnership expands creative possibilities by combining human intuition with AI's computational power. Use AI tools to

speed up processes like editing, sketching, or prototyping, which give creators more time to experiment and innovate. Art and music are

forms of self-expression. AI can generate works based on inputs, but it does not have personal desires.

So collaboration of human and AI can result in the betterment of

man kind.

In conclusion, the development of Artificial intelligence has made human life much easier. According to a study by Accenture, "AI could potentially increase global productivity by up to 40% by 2035, enhancing human capabilities across industries by automating tasks, optimizing processes, and driving innovation." Although AI lacks cognitive thinking and emotions yet, but it threatens human creativity, because of too much reliance of humans on AI in every field. AI uses the existing patterns, and data, and the algorithms which give a basic and perfect response to every one, ^{however} yet art is sometimes ~~the~~ a piece of imperfection. To avoid this ^{scenario} ~~case~~ of AI causing death of creativity among humans, responsible usage of AI is the biggest need of hour involving regulatory framework, transparency and accountability while using AI.

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it boost human creativity rather
than replacing it.

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