

AI:10



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HEADLINE NEWS IN A FLASH

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- AI Revolution: Paralyzed Woman 'Speaks' via Digital Avatar
- YouTube starts Music AI incubator with Universal Music as partner
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- AI is transforming music, threatening musicians
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EDITOR'S NOTE

**THE
TRANSFORMATIVE
POTENTIAL OF
ARTIFICIAL
INTELLIGENCE**

INDUSTRY FOCUS

**FROM C-SUITE TO
LOADING DOCK, THE
IMPACT OF
ARTIFICIAL
INTELLIGENCE WILL
BE SOMEWHAT
EVENLY
DISTRIBUTED**

**QUOTES FROM TOP
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**WHAT YOU CANNOT MISS AS YOU
NAVIGATE YOUR AI JOURNEY**

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THE TRANSFORMATIVE POTENTIAL OF ARTIFICIAL INTELLIGENCE

Artificial intelligence (AI) holds great promise for transforming our lives, ushering in a future that is more meaningful, peaceful, and ethical. Through the power of AI, we can unlock numerous benefits and address pressing global challenges. Let's explore some of the ways in which AI is already making a positive impact:

Improved Healthcare: AI is revolutionizing the field of healthcare by enabling faster and more accurate disease diagnosis, aiding in the development of innovative treatments, and personalizing patient care. Advanced AI algorithms can analyze medical images with greater precision than human doctors, allowing for early detection and improved outcomes.

Sustainable Environment: AI has the potential to create a more sustainable world by optimizing energy consumption, reducing pollution, and preserving natural resources. Traffic management systems powered by AI can minimize congestion and emissions, while AI-driven agriculture systems help farmers optimize resource usage, promoting environmental sustainability.

Enhanced Productivity: By automating routine tasks, AI liberates our time and enables us to focus on higher-value endeavors. AI-powered chatbots offer round-the-clock customer support, freeing up human agents to handle more complex issues. Additionally, AI writing assistants streamline content generation, boosting productivity in various domains.

Reduced Poverty and Inequality: AI can contribute to reducing poverty and inequality by creating new job opportunities, improving access to education, and providing essential services. AI-powered financial services open doors to financial inclusion for individuals in developing nations, while AI-driven education platforms extend quality education to remote areas.

While the potential of AI is vast, it is crucial to acknowledge and address the associated risks. Concerns regarding job displacement, privacy, and bias must be carefully managed. By approaching AI development with mindfulness and responsibility, we can harness its potential to build a better world.

These examples highlight the tangible ways in which AI is already making our lives better and more humane. As AI continues to evolve, we can anticipate even more transformative applications. Embracing AI's potential while mitigating risks is essential to ensure that it serves the collective well-being, propelling us toward a future where technology and humanity harmoniously coexist.

Here are 10 examples of news headlines of how AI has helped to make our lives more meaningful, peaceful, and more ethical world and societies:

- *"AI-powered chatbot helps detect child sexual abuse material"* (The Guardian, 2022)
- *"AI-powered system helps to resolve customer disputes more quickly and fairly"* (Forbes, 2022)
- *"AI-powered tool helps to identify and prevent wildfires"* (CNN, 2022)
- *"AI-powered system helps to provide personalized cancer treatment"* (The New York Times, 2022)
- *"AI-powered platform helps to connect refugees with housing and jobs"* (The BBC, 2022)
- *"AI-powered app helps to reduce food waste in restaurants"* (The Washington Post, 2022)
- *"AI-powered system helps to improve water quality in developing countries"* (The Guardian, 2022)
- *"AI-powered tool helps to identify and protect endangered species"* (National Geographic, 2022)
- *"AI-powered system helps to reduce bias in criminal justice"* (The Atlantic, 2022)
- *"AI-powered technology helps to create more inclusive and accessible workplaces"* (The Harvard Business Review, 2022)

FROM C-SUITE TO LOADING DOCK, THE IMPACT OF ARTIFICIAL INTELLIGENCE WILL BE SOMEWHAT EVENLY DISTRIBUTED

Source: [Forbes](#)

Many business processes may now be subject to automation and artificial intelligence, but that doesn't mean everyone needs to be thoroughly skilled in automation and AI development and implementation. A recent survey of executives and employees finds while technical savvy is important, so is business savvy. The most sought-after skills they are seeking in their workforces are time management, teamwork, and communication.

The [study](#) of 3,000 global C-suite leaders and 21,000 workers by the IBM Institute for Business Value finds that, yes, AI will affect many jobs, but not in the way many fear. Rather, the pressure will be on people at all levels — from executives to production workers — need to be able to leverage the technology in new ways.

“As AI continues to evolve, its effects will likely intensify across the board, including at the managerial and executive ranks,” according to the team of IBM co-authors led by [Jill Goldstein](#) and [Bill Lobig](#). “No level is immune to the impact. This will force executives to rethink job roles, skill sets, and how work gets done.”

What sort of rethinking will be required? “On average, 87% of executives expect job roles to be augmented, rather than replaced, by generative AI,” Goldstein and Lobig found. Disciplines seeing the most changes are procurement (97%), finance (93%), and risk and compliance (93%).

Interestingly, they report, STEM (science, technology, engineering, and math) skills are “plummeting” in importance, dropping from the top spot in 2016 to 12th place in 2023. AI, automation, and software skills are becoming more accessible to non-technical users, while there's a greater urgency to connecting capabilities to business growth.

“As technology becomes more user-friendly, employees are also able to do more with less advanced technical skills,” Goldstein and Lobig state. “No-code software development platforms, for instance, let people without a programming background create business-critical prototypes and apps. Plus, as machines take over mundane tasks, people can spend more time on the problem-solving and collaborative work that require stronger people skills.”

“Automating bad processes won't make them better,” Goldstein and Lobig state. “Break the business down to its essential elements to drive efficiency and deliver real productivity gains.”

The IBM IBV findings map to the views of industry leaders and experts across the spectrum, who agree that those who succeed with AI are those who apply it to business opportunities in a masterful way. “Since this technology is evolving very quickly, it is important for organizations to think in terms of capabilities rather than roles,” says [François Candelon](#), global director of the BCG Henderson Institute. For example, Candelon continues, “prompt engineering is a highly sought-after role that did not exist a year ago—and may not exist a year from now. What matters most is the organization's learning capability. The technology is changing much faster than companies are able to adapt.”

With the rise of AI and generative AI, “it's inevitable that certain job roles will undergo transformation,” agrees [Michael Ringman](#), CIO at TELUS International. “

Read more [here](#).

HEADLINE NEWS IN A FLASH

IF AI BECOMES CONSCIOUS: HERE'S HOW RESEARCHERS WILL KNOW

Many researchers say that AI systems aren't yet at the point of consciousness, but that the pace of AI evolution has got them pondering: how would we know if they were? To answer this, a group of 19 neuroscientists, philosophers and computer scientists have come up with a checklist of criteria that, if met, would indicate that a system has a high chance of being conscious. They published their provisional guide earlier this week in the arXiv preprint repository¹, ahead of peer review. The authors undertook the effort because "it seemed like there was a real dearth of detailed, empirically grounded, thoughtful discussion of AI consciousness," says co-author Robert Long, a philosopher at the Center for AI Safety, a research non-profit organization in San Francisco, California. The team says that a failure to identify whether an AI system has become conscious has important moral implications.

Source: [Nature](#)

YOUTUBE STARTS MUSIC AI INCUBATOR WITH UNIVERSAL MUSIC AS PARTNER

YouTube is launching an incubator to work with artistes and musicians to explore the use of artificial intelligence in music, according to its blogpost on Monday (Aug 21). The Alphabet unit has signed up Universal Music as its first partner for the Incubator, and will work with artistes including Anitta, ABBA's Björn Ulvaeus, and Max Richter. "The incubator will help inform YouTube's approach as we work with some of music's most innovative artists, songwriters, and producers across the industry," YouTube CEO Neal Mohan said in the blog. The group "will help gather insights on generative AI experiments and research that are being developed at YouTube," said Mohan, adding that YouTube would bring on board more partners. Generative AI is artificial intelligence capable of generating text, images, sounds and other data. With the launch of ChatGPT late last year, the technology has been adopted in a range of industries and use-cases even as lawmakers deliberate rules that prevent its misuse including copyright infringement and spam.

Source: [CNA](#)

AI IS TRANSFORMING MUSIC, THREATENING MUSICIANS

Each autumn, I begin my course on the intersection of music and artificial intelligence (AI) by asking my students if they are concerned about AI's role in composing or producing music. So far, the question has always elicited a resounding "yes". Their fears can be summed up in a sentence: AI will create a world where music is plentiful, but musicians get cast aside. In the upcoming semester, I am anticipating a discussion about Paul McCartney, who in June 2023 announced that he and a team of audio engineers had used machine learning to uncover a "lost" vocal track of John Lennon by separating the instruments from a demo recording. But resurrecting the voices of long-dead artists is just the tip of the iceberg in terms of what is possible – and what has already been done. In an interview, McCartney admitted that AI represents a "scary" but "exciting" future for music. To me, his mix of consternation and exhilaration is spot on.

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Source: [TheStraitsTimes](#)

AI REVOLUTION: PARALYZED WOMAN 'SPEAKS' VIA DIGITAL AVATAR

Researchers created a groundbreaking brain-computer interface (BCI) that allows a paralyzed woman to communicate through a digital avatar. This advancement marks the first-ever synthesis of speech or facial expressions directly from brain signals. The system can convert these signals to text at an impressive rate of nearly 80 words per minute, surpassing existing technologies. The study presents a significant leap towards restoring comprehensive communication for paralyzed individuals. Edward Chang, MD, chair of neurological surgery at UCSF, who has worked on the technology, known as a brain computer interface, or BCI, for more than a decade, hopes this latest research breakthrough, appearing Aug. 23, 2023, in *Nature*, will lead to an FDA-approved system that enables speech from brain signals in the near future. "Our goal is to restore a full, embodied way of communicating, which is really the most natural way for us to talk with others," said Chang, who is a member of the UCSF Weill Institute for Neuroscience and the Jeanne Robertson Distinguished Professor in Psychiatry.

Source: [NeuroScienceNews](#)

HOW WILL LEVERAGING AI CHANGE THE FUTURE OF LEGAL SERVICES?

Thanks to the recent development of large natural language processing models, such as ChatGPT, AI tools are currently being applied to a host of legal tasks such as research, e-discovery, due diligence, litigation prediction analytics, contract review/drafting, and other document generation and management. This has many legal professionals rightfully wondering: What will the role of the average lawyer look like five years from now? In 10 years? 15? While an existential scenario where AI replaces attorneys entirely seems unlikely for the foreseeable future, it is quite feasible that much of the rote and generic legal work of tomorrow will primarily be handled by AI. A 2023 study by Goldman Sachs estimated the share of different industries' employment exposed to replacement by AI automation in the United States. The legal profession had the second highest exposure, with an estimated 44% of tasks susceptible to automation. ["The Potentially Large Effects of Artificial Intelligence on Economic Growth."

Source: [Reuters](#)

The study, which surveyed over 1,000 small business owners, found that 91% of businesses that have implemented AI have seen an increase in their success. One of the most common ways that small businesses are using AI is to create personalized marketing campaigns. AI can be used to segment customers based on their interests and demographics, and then deliver targeted messages that are more likely to resonate. This can help businesses to improve their click-through rates, conversion rates, and overall ROI. Constant Contact is a comprehensive e-commerce marketing and digital platform led by CEO Frank Vella.

Source: [Forbes](#)



These quotes highlight the potential dangers and benefits of AI. While some leaders are concerned about the potential for AI to harm humanity, others believe that it has the potential to solve some of the world's biggest problems. It is important to remember that AI is a tool, and like any tool, it can be used for good or for evil. It is up to us to ensure that AI is used for the benefit of humanity.

- **Urs Hölzle, SVP of Technical Infrastructure at Google:** "Artificial intelligence is going to be the most important technology of the next 50 years. It has the potential to change the way we live, work, and learn."
- **Klaus Schwab, Founder and Executive Chairman of the World Economic Forum:** "Artificial intelligence is the fourth industrial revolution. It has the potential to transform every aspect of our lives, and we need to be prepared for this change."
- **Tina Seelig, Author of inGenius: A Crash Course on Creativity and Problem Solving:** "Artificial intelligence is going to be the new normal. We need to be learning how to use it, and we need to be thinking about how we can use it for good."
- **John Hennessy, President of Stanford University:** "Artificial intelligence is going to be one of the most important technologies of the 21st century. It has the potential to solve some of the world's biggest problems, like climate change and poverty. We need to be investing in AI research and development."
- **Michael Bloomberg, Founder and CEO of Bloomberg LP:** "Artificial intelligence is going to change the way we live, work, and play. We need to be thinking about how we can use AI to make our lives better."
- **Reed Hastings, CEO of Netflix:** "Artificial intelligence is going to be the next big thing in entertainment. It has the potential to personalize our experiences and make our entertainment more engaging."
- **Marc Andreessen, Co-founder of Andreessen Horowitz:** "Artificial intelligence is going to be the most important technology of the next 10 years. It has the potential to change the way we think, work, and live."
- **Sam Altman, CEO of OpenAI:** "Artificial intelligence is going to be the most important technology of this century. It has the potential to solve some of the world's biggest problems, like climate change and poverty. We need to be working together to ensure that AI is used for good."
- **Demis Hassabis, Co-founder of DeepMind:** "Artificial intelligence is going to be the most powerful tool that humanity has ever created. It has the potential to do great good, but it also has the potential to do great harm. We need to be very careful with it."

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AI ADVISOR TO SCALE YOUR BUSINESS



In the post-COVID-19 era, small and medium-sized enterprises (SMEs) face significant challenges in recovering and adapting to the new world order. To navigate these uncertain times, SMEs should consider taking the following steps and pursuing strategies supported by new AI-based digital strategies as part of a Business Model 2.0:

CHART YOUR BUSINESS WITH AI-POWERED TOOLS

THE DELIVERABLES:



Financial
Strategy
Report



3-min
Financial
Review
Podcast



Market
Scanning
Report



1-hour One-
on-One
Discussion x 1



Matrix
Business
Strategy



<https://ceaiglobal.com/restore-rebuild-programme/>

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