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HEADLINE NEWS IN A FLASH

- Why some celebrities are embracing Artificial Intelligence deepfakes
- A former real-estate analyst helped build an AI tool to replace himself. Now clients are using it to find properties to buy.
- UN Security Council meets for first time on AI risks
- Artificial Intelligence Continues To Revolutionize Cybersecurity
- More buildings putting in AI, smart sensors to manage utilities, cut costs
- Anthropic CEO to testify at US Senate hearing on AI regulation

EDITOR'S NOTE

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INDUSTRY FOCUS

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NAVIGATING THE TRANSFORMATIVE PATH OF GENERATIVE AI: REFLECTIONS ON CAREER PERSPECTIVES

As I delved into the depths of McKinsey's Generative AI report, I couldn't help but feel a mix of excitement and trepidation. The findings presented a breakneck speed of technological advancements, potential displacements, and a transformative future that would undoubtedly impact our careers. However, I couldn't help but critically analyze the implications and consider how these insights would shape my own career path.

The sheer magnitude of the projected value added by Generative AI, surpassing the GDP of entire countries, is both astounding and promising. It signifies a world of immense possibilities, where productivity boosts and industry shifts can redefine how we work. However, I also question the distribution of this added value and its potential concentration within certain sectors or individuals. Will this transformative power truly benefit all or only exacerbate existing inequalities?

Looking closer, the report identifies specific functions like sales/marketing, software engineering, customer operations, and product R&D as having the highest potential value-add from Generative AI. While this presents compelling opportunities, I can't help but wonder about the potential consequences for other job sectors. Will the impact of AI be a zero-sum game, where gains in certain areas come at the expense of others? It becomes crucial to ensure a fair and inclusive transition, supporting individuals in industries that might be at risk of automation.

The report's emphasis on Generative AI as a force multiplier across industries brings hope for innovation and novel use cases. As a professional, I am encouraged to explore how AI can augment my work and drive positive change. However, I remain cautious about the potential unintended consequences. Will the integration of AI systems inadvertently lead to the loss of human touch and personalization in certain industries?

Striking the right balance between automation and human interaction becomes crucial for maintaining quality and ethical standards. The projection that Generative AI will achieve human-level performance sooner than expected is both awe-inspiring and unsettling. While the advancement of AI capabilities presents exciting possibilities, it also raises concerns about the future role of human workers. Will the increasing reliance on AI diminish the value of human expertise and contributions? I believe that this calls for a reevaluation of our skills and competencies, highlighting the need to cultivate uniquely human qualities such as creativity, empathy, and critical thinking to remain indispensable in an AI-driven world.

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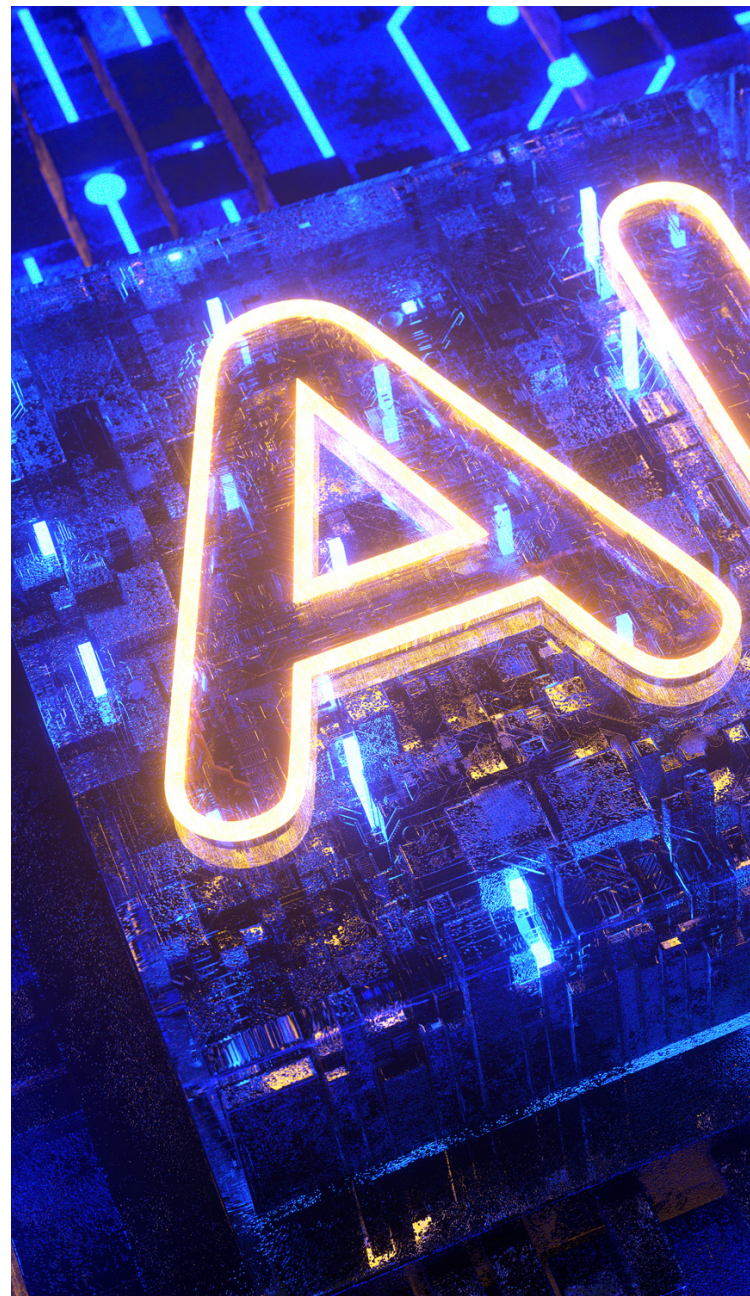
The report's estimation that automation adoption could reach 50% by 2030 signifies an accelerated timeline for technological advancements. This rapid pace demands adaptability and a proactive approach to skill development. While the transformative potential of AI is undeniable, I am compelled to consider the ethical implications and social impacts of such rapid automation. How can we ensure a just transition that safeguards workers' livelihoods and addresses the potential social repercussions of widespread job displacement?

Perhaps the most thought-provoking finding is the revelation that high-wage jobs, previously considered immune to automation, are now at the highest risk. This challenges conventional wisdom and forces us to confront the unsettling reality that even esteemed professions are not exempt from technological disruption. It compels professionals like me to embrace a growth mindset, continually seeking opportunities for upskilling and reimagining our roles to align with the evolving demands of the AI-driven world.

Lastly, the report's assertion that education qualifications may become less valuable as indicators of skill is a sobering thought. It challenges the traditional notion that a multiyear degree guarantees job security. While I believe that education provides a strong foundation, the report underscores the importance of continuous learning, practical experience, and adaptability. We must be proactive in acquiring diverse skill sets and remain agile to stay relevant amidst the ever-evolving landscape of AI technologies.

In conclusion, McKinsey's Generative AI report has left me with a profound sense of introspection and critical thinking. It serves as a call to action to navigate our careers with an informed and discerning mindset.

While the opportunities presented by AI are undeniably exciting, we must approach them with a critical lens, ensuring fairness, inclusivity, and ethical considerations. By leveraging our uniquely human qualities, embracing continuous learning, and actively shaping the AI-driven future, we can strive for a harmonious coexistence with technology and build a better world for ourselves and future generations.



THE 3 HOTTEST AREAS FOR HEALTHCARE GENERATIVE AI

Source: [MedCityNews](#)

The past year has been filled with rapid advancements in generative AI, which refers to AI that can produce content like text, imagery and audio. While the healthcare sector has a reputation of being notoriously slow to adopt new technologies, the field seems to have turned a new leaf when it comes to this class of AI.

There is a long list of examples that show that the healthcare industry is embracing newly emerging generative AI tools with enthusiasm. Some include Epic integrating GPT-4 into its electronic health record, Google Cloud and Mayo Clinic launching a generative AI-focused partnership, and generative AI startup Hippocratic AI raising \$50 million in seed funding from General Catalyst and Andreessen Horowitz.

In the view of CB Insights Analyst Anjalika Komatireddy, there are three key areas of the healthcare sector where generative AI is booming the most — in terms of both venture capital funding and the development of innovative technology. She discussed these three domains on Tuesday during a webinar.

The first area that Komatireddy identified is care delivery and navigation. She said that most of the generative AI tools cropping up in this field can be thought of as “AI co-pilots for doctors,” meaning they help automate EHR workflows for physicians.

Some companies are seeking to alleviate clinical burden through medical conversation summary — Komatireddy pointed to Nuance, Abridge and Corti. Others focus on medical coding, such as Suki, DeepScribe and Regard, and some specialize in medical Q&A, like Atropos Health and Google’s Med-PaLM, she explained.

“Now, if we think about where the market is headed, I think we will see some more consolidation in the future as these vendors try to become a one-stop-shop for these different EHR features. And I think we can also expect to see legacy incumbents, like Epic, add more generative AI capabilities to address these functions,” Komatireddy declared.

The next domain she highlighted is digital therapeutics and wellness tools — Komatireddy said that this subsector is producing a slew of “AI companions.” Replika, a chatbot designed to provide users with emotional support, is an example of a company in this space.

Komatireddy pointed out that there are still significant risks associated with using large language models in mental and emotional health services, though. She referenced some bad press that Replika received in 2020 after the chatbot encouraged some users to go through with dangerous behaviors, including murder and suicide.

“This begs the question: is generative AI ready for mental healthcare?” Komatireddy asked.

The last area of the healthcare sector that Komatireddy identified as experiencing a flurry of generative AI activity is drug research and development. Many startups have begun using generative AI to predict the properties of novel proteins and drugs, she explained.

“That, in turn, is helping optimize new candidates for drugs more quickly,” she declared.

In just the past few months, the pharmaceutical field has seen “a bunch of new exits in this area,” Komatireddy added. For example, Recursion Pharmaceuticals recently acquired two Canada-based generative AI startups, Cyclica and Valence, to improve its drug discovery capabilities. Other deals she pointed to include BioNTech’s acquisition of InstaDeep and Insilico Medicine’s IPO. Companies that produce technology to facilitate clinical trials are also jumping on the generative AI train. Komatireddy highlighted a startup named Unlearn, which computes a digital twin for every patient enrolled in a clinical trial.



HEADLINE NEWS IN A FLASH

WHY SOME CELEBRITIES ARE EMBRACING ARTIFICIAL INTELLIGENCE DEEPFAKES

"It's a bit like that Black Mirror episode with Salma Hayek," Ms Yeo jokes. She was speaking to the BBC the day after the release of the new series of Charlie Brooker's Netflix show. In the first episode, actress Salma Hayek, playing a fictionalised version of herself, signs away her image to a production company. The deal allows it to use an artificial intelligence or AI-generated deepfake version of the Hollywood A-lister to "star" in their new TV drama. What she says and does in the show is controlled by the computer. The consequences for Ms Hayek - without spoiling the story - are not good. Concerns about the impact of AI are partly behind the first Hollywood actors' strike in more than four decades, bringing the US movie and television business to a halt. It comes after Screen Actors Guild (SAG-AFTRA) failed to reach an agreement in the US for better protections against the misuse of AI for its members. The actors' union has warned that "artificial intelligence poses an existential threat to creative professions" as it prepared to dig in over the issue.

Source: [BBC](#)

UN SECURITY COUNCIL MEETS FOR FIRST TIME ON AI RISKS

The United Nations Security Council held its first meeting on [artificial intelligence](#) on Tuesday where China said the technology should not become a "runaway horse" and the United States warned against its use to censor or repress people. Britain's Foreign Secretary James Cleverly, who chaired the meeting under Britain's July presidency of the body, said AI will "fundamentally alter every aspect of human life." "We urgently need to shape the global governance of transformative technologies because AI knows no borders," he added after saying that AI could help address climate change and boost economies. But he also warned that the technology fuels disinformation and could aid both state and non-state actors in a quest for weapons. The 15-member council was briefed by U.N. Secretary-General Antonio Guterres, Jack Clark, co-founder of high-profile AI startup Anthropic, and Professor Zeng Yi, co-director of the China-UK Research Center for AI Ethics and Governance.

Source: [Reuters](#)

MORE BUILDINGS PUTTING IN AI, SMART SENSORS TO MANAGE UTILITIES, CUT COSTS

More buildings in Singapore are using smart systems with sensors and artificial intelligence (AI) to manage their utilities and manpower amid rising costs. These smart facilities management systems are also being used to help buildings go green. At least one facilities management application developer has seen the take-up jump a third from last year. **SAVING MANPOWER** - Visitors to The Floravale, for instance, only need to drive to the gantry and scan a unique QR code to enter the condominium in Westwood Avenue. They do not need to sign in at the guardhouse as registration is done online in advance. Mr Teo Poh Siang, managing agent at The Floravale, said: "We have actually cut down one security officer, and one security officer costs almost S\$5,000 per month. "So over a year, it's about S\$50,000 to S\$60,000." The condominium went digital about two years ago, as the paperwork started to mount.

Source: [CNA](#)

A FORMER REAL-ESTATE ANALYST HELPED BUILD AN AI TOOL TO REPLACE HIMSELF. NOW CLIENTS ARE USING IT TO FIND PROPERTIES TO BUY.

If you work in real estate, your new coworker might be named Ethan. That's the moniker of a generative artificial intelligence product from proptech startup Termsheet. The AI tool does the work of a real estate analyst. Through machine learning, Ethan has been trained to compile a range of property and market data. It then drafts memos recommending which properties real estate companies should buy and sell, Sahil Rattan, Termsheet's chief operating officer, told Insider. It's the first technology of its kind to hit the market, the company said. Several companies, whose properties are worth a combined \$100 billion, are using Ethan, according to Termsheet. Ethan "really replicates the act of what a human is spending hours and hours doing," Rattan said. He would know. Rattan was once a real estate analyst, where he spent an estimated 90% of his workday doing what Ethan is engineered to do, he said. Rattan thinks tech like Ethan will eliminate mundane tasks assigned to analysts and clear up time for them to do more of what they actually got into the business to do: things like dealmaking, building their network, and strategizing.

Source: [BusinessInsider](#)

ARTIFICIAL INTELLIGENCE CONTINUES TO REVOLUTIONIZE CYBERSECURITY

For many years, artificial intelligence (AI) has been a vital cyber security tool, bolstering defenses and aiding analysts in their battle against ever-evolving threats. Today, most leading security technologies include at least some form of AI or machine learning. We have come to depend on these algorithms to identify patterns and anomalies in vast volumes of data, enabling us to quickly detect and respond to threats. Now the emergence of generative AI is poised to revolutionize our industry once again. By leveraging these generative models—and the deep neural networks powering them—analysts and engineers are already developing powerful new tools to automate tasks, enhance efficiency and augment human expertise. Here are just a few of the potential use cases. **Automation** - Generative AI has the potential to automate many repetitive and mundane tasks, freeing up valuable time for analysts and engineers to focus on more critical and strategic activities.

Source: [Forbes](#)

ANTHROPIC CEO TO TESTIFY AT US SENATE HEARING ON AI REGULATION

Artificial intelligence startup Anthropic's CEO Dario Amodei will testify on July 25 at a U.S. Senate hearing on artificial intelligence as lawmakers consider potential regulations for the fast-growing technology, the Senate panel scheduling the hearing said on Tuesday. The Senate Judiciary Subcommittee on Privacy, Technology, and the Law said it will hold a hearing titled "Oversight of AI: Principles for Regulation" that will include Amodei, who heads the startup backed by Alphabet Inc's Google, as well as computer science professors Yoshua Bengio and Stuart Russell. "It's our obligation to address AI's potential threats and risks before they become real," said Democratic Senator Richard Blumenthal, the subcommittee chair. "We are on the verge of a new era, with major consequences for workers, consumer privacy, and our society."

Source: [CNA](#)



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.

- **Frances Arnold, Nobel Prize laureate in Chemistry:** "Artificial intelligence is already changing the world, and it has the potential to change it even more in the years to come. It's important that we use AI for good, and that we make sure that it is accessible to everyone. We need to work together to ensure that AI is used to solve the world's biggest problems, not to create new ones."
- **Demis Hassabis, co-founder of DeepMind:** "Artificial intelligence is a powerful tool that can be used to solve some of the world's biggest problems. It can help us to understand diseases better, to develop new drugs, and to create more efficient transportation systems. It's important that we use AI responsibly, and that we make sure that it is used for good."
- **Yann LeCun, Director of AI Research at Facebook:** "Artificial intelligence is still in its early stages, but it has the potential to revolutionize many industries. It's important that we start thinking about how we can use AI to make the world a better place."
- **Diane Greene, former CEO of Google Cloud Platform:** "Artificial intelligence is the most important technology of our time. It has the potential to change the way we live, work, and learn. We need to make sure that we are using AI for good, and that we are not creating new problems in the process."
- **Lisa Su, CEO of AMD:** "Artificial intelligence is a game-changer. It has the potential to transform every industry, and it's already starting to do so. We need to make sure that we are using AI to create a better future for everyone."
- These are just a few of the many quotes from famous women AI leaders. It is clear that AI is a technology that is having a major impact on the world, and that women are playing a leading role in its development.

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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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