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Young Women in AI & Technology

HEADLINE NEWS IN A FLASH

- Researchers from UC Berkeley Introduce Gorilla: A
 Finetuned LLaMA-based Model that Surpasses GPT-4 on
 Writing API Calls
- A New Al Research From Google Declares The Completion of The First Human Pangenome Reference
- ChatGPT takes center stage as students ditch tutors in favor of Al-powered learning
- Tech stocks surge as wave of interest in Al drives \$4tn rally Tech stocks surge as wave of interest in Al drives \$4tn rally
- Almost 60% of people want regulation of AI in UK workplaces, survey finds
- ChatGPT Scored Higher on a Medical Quiz Than a Real
 Human Doctor

INDUSTRY FOCUS

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HOW CHATGPT IS RESHAPING THE C-SUITE, WITH NEW AI LEADERSHIP POSITION

Source: Forbes

Stocks on Wall Street spiked on Thursday afternoon, driven by the rising tide of Nvidia. A stunning forecast from the chipmaker - whose silicon solutions are powering the future with artificial intelligence (AI) chips - pushed the company's stock up 24%. The company forecast revenue that was 50% higher than estimates, according to Reuters. "Investors are obsessed with AI," says Jake Dollarhide from Longbow Asset Management in Tulsa. "Nvidia has officially replaced FANG (Facebook, Amazon, Netflix and Google) as the centerpiece of this market." Meanwhile the centerpiece of the C-Suite may be shifting as well. Chat GPT, machine learning and artificial intelligence are reshaping company leadership, so that forward-thinking organizations can capitalize on the chip-powered wave of the future. Enter the newest member in the boardroom: the CAiO.

The CAiO, or Chief Artificial Intelligence Officer, is a nascent position that will be utilized by a select group of companies and industries, moving to a more universal visibility in the future. Forward-thinking organizations will dedicate executive resources to harness the power of AI, including its current forms as Chat GPT, Bard and others. Perhaps more importantly, the CAiO will drive direction on how organizations can harness and leverage the promise of this brave new world (and controversial technology). So, what businesses will benefit most from a CAiO, and what can your company do to take advantage of the most compelling technological advancement since the printing press?

According to research from MIT, <u>ChatGPT is already impacting organizations</u> across a variety of industries - but some will be helped more than others, in the near term. Nevertheless, researchers Shakked Noy and Whitney Zhang in Boston have shown that Chat GPT raised productivity, work quality, and more.

The research shows that "75% [of workers] saw improvements in team morale, collaboration and collective learning." The paper goes on to state that AI can transform cultures, and "liberate workers". Wait a second, did these brilliant PhDs misspell the word "replace"?

Enhancing performance is the ultimate goal for artificial intelligence, and the power of machine learning surrounds us everywhere we look (especially on screens like the one you are viewing now). Algorithms and search engines are online spaces where artificial intelligence has been guiding our experience for years. And now, for specific industries, the impact of the CAiO can create a new strategy for leveraging resources like Chat GPT, Bard and others.

Dallas entrepreneur and digital creator, <u>Kevin Page</u>, shares that communications-led industries will be the first to adapt to the CAiO model. The C-Suite will shift, thanks to artificial i



intelligence, in industries like marketing, advertising and entertainment. Page writes, "In the entertainment industry, the CAiO will be the storyteller for the future, using AI to create immersive and personalized experiences for audiences. From generating scripts to characters, AI-powered tools will be changing production workflows and the CAiO will be coordinating a series of innovative processes across many departments." Meanwhile, if you are wondering about the writers strike in Hollywood, it's still going strong.

But if you are wondering why, perhaps the paragraph above gives some insight? To be sure, the nearly 12,000 writers are fighting for their future - especially in a world where Chat GPT, machine learning and AI are seen as threats, not tools. But beyond the conflicts in film and TV, the business world at large is already changing - especially around branding, messaging and content creation. How will your company's leadership adapt? Will the CAiO be inserted into the marketing department, or perhaps IT - or is this role going to oversee some or all of the company's operations? Only time - and the nature of your industry - will tell that story.

The National Bureau of Economic Research reports that access to generative AI at work increased employee productivity by an average of 14% and that customers and employees were "happier", with a "minimal impact on experienced and highly skilled workers". Does this assertion make you suspicious? Curious? Interested in seeing if your organization can create similar results? Or are you compelled to google the word, "singularity"? Perhaps we are entering an age of unprecedented efficiency. Or are we on a digital rocket sled without any brakes?

Working with artificial intelligence is a bit like taming a tiger. The CAiO is the one who will be tasked with stepping into the cage, and making sure that the tiger performs...and doesn't turn on the entire audience.

"Forward-thinking organizations will dedicate executive resources to harness the power of AI, including its current forms as Chat GPT, Bard and others."

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COMMENTARY ON "HOW CHATGPT IS RESHAPING THE C-SUITE, WITH NEW AI LEADERSHIP POSITION"

The article "How ChatGPT Is Reshaping The C-Suite, With New Al Leadership Position" by Chris Westfall discusses the potential impact of artificial intelligence (AI) on the C-suite. The article argues that AI can be used to automate tasks, improve decision-making, and create new opportunities for businesses.

The article begins by discussing the challenges that businesses face in the 21st century. The author argues that businesses need to be able to adapt quickly to changes in the market and that they need to be able to make decisions based on data.

The author then argues that AI can help businesses to address these challenges.

The article then discusses the different ways that AI can be used in the C-suite. The author argues that AI can be used to automate tasks, such as scheduling meetings and managing email. The author also argues that AI can be used to improve decision-making by providing businesses with access to data and insights that would not be available otherwise.

Finally, the author argues that AI can be used to create new opportunities for businesses by helping them to develop new products and services.

The article concludes by arguing that AI is a powerful tool that can be used to improve businesses. The author argues that businesses that are not using AI will be at a disadvantage in the 21st century.

The article is well-written and provides a good overview of the potential impact of AI on the C-suite. However, the article does have some limitations. First, the article does not provide any specific examples of how AI is being used in the C-suite today. Second, the article does not discuss the challenges that businesses face in implementing AI. Finally, the article does not discuss the ethical implications of using AI in the C-suite.

Overall, the article is a good starting point for businesses that are interested in learning more about the potential impact of AI on the C-suite. However, businesses that are considering using AI should also carefully consider the limitations and challenges that are discussed in the article.

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Here are some additional thoughts on the article:

- * The article makes a strong case for the potential benefits of AI in the C-suite. However, it is important to note that AI is still a relatively new technology, and there are many challenges that businesses face in implementing it.
- * One of the biggest challenges is the lack of qualified AI talent. There is a growing demand for AI skills, but the supply is not keeping up. This means that businesses may have to pay a premium for AI talent, or they may have to train their own employees.
- * Another challenge is the cost of Al. Al technology can be expensive, and businesses need to make sure that they are getting a return on their investment.
- * Finally, businesses need to be aware of the ethical implications of using Al. Al can be used for good or for bad, and businesses need to make sure that they are using it in a responsible way.

Overall, the article is a good overview of the potential impact of AI on the C-suite. However, businesses that are considering using AI should carefully consider the limitations and challenges that are discussed in the article.



HEADLINE NEWS IN A FLASH

RESEARCHERS FROM UC BERKELEY INTRODUCE GORILLA: A FINETUNED LLAMA-BASED MODEL THAT SURPASSES GPT-4 ON WRITING API CALLS

A recent breakthrough in the field of Artificial Intelligence is the introduction of Large Language Models (LLMs). These models enable us to understand language more concisely and, thus, make the best use of Natural Language Processing (NLP) and Natural Language Understanding (NLU). These models are performing well on every other task, including text summarization, question answering, content generation, language translation, and so on. They understand complex textual prompts, even texts with reasoning and logic, and identify patterns and relationships between that data. Though language models have shown incredible performance and have developed significantly in recent times by demonstrating their competence in a variety of tasks, it still remains difficult for them to use tools through API calls in an efficient manner.

Source: MarkTechPost

CHATGPT TAKES CENTER STAGE AS STUDENTS DITCH TUTORS IN FAVOR OF AI-POWERED LEARNING

According to a <u>recent survey</u> by <u>Intelligent.com</u>, a prominent higher-education planning platform, students and parents increasingly favor studying with <u>ChatGPT</u> over human tutors. The survey findings expose a significant transformation in student perspectives on educational assistance. A staggering 85% of high school and college students who have availed themselves of both ChatGPT and traditional tutoring sessions during the recent academic year assert that ChatGPT surpasses traditional tutoring in effectiveness as a learning tool. Likewise, 96% of parents with school-age children share this viewpoint, firmly convinced that studying with ChatGPT generates superior outcomes for their offspring. Such confidence in ChatGPT has resulted in a remarkable shift: 39% of students and 30% of parents have completely replaced their tutoring sessions with this Al-powered platform.

Source: VentureBeat

ALMOST 60% OF PEOPLE WANT REGULATION OF AI IN UK WORKPLACES, SURVEY FINDS

Almost 60% of people would like to see the UK government regulate the use of generative AI technologies such as ChatGPT in the workplace to help safeguard jobs, according to a survey. As leading figures in the tech industry call for restrictions on the rapid development of AI, research by the Prospect trade union suggests strong public support for regulation. In a survey of more than 1,000 people last month, 58% agreed that "the government should set rules around the use of generative AI to protect workers' jobs". Just 12% said the government should not interfere because "the benefits are likely to outweigh any costs". Employers have used various forms of AI for some time - including in targetsetting, and hiring and firing decisions - but the salience of the technologies has increased dramatically since the release of ChatGPT, which hit 100 million users within two months of launch.

A NEW AI RESEARCH FROM GOOGLE DECLARES THE COMPLETION OF THE FIRST HUMAN PANGENOME REFERENCE

Researchers have spent decades piecing together a human genome map, a comprehensive copy of each individual's genetic instructions. In 2000, researchers completed the first draft, but it needed key components. After completing the reference genome in 2022, they still had a ways to go. Genomics has spent the past three years working with the Human Pangenome Research Consortium, a group of 119 researchers from 60 institutions worldwide, to develop a new and more comprehensive map of the human genome. The pangenome is an improved representation of the genetic variation of human populations since it combines reference sequences from 47 different genomes. Using Google's deep learning technology and previous genomics advancements, researchers overcame the difficulties of producing correct pangenome sequences and applying them to a genomic analysis by employing techniques based on convolutional neural networks (CNNs) and transformers. The consortium was able to compile a wealth of data now available to academics, doctors, and geneticists everywhere.

Source: MarktechPost

TECH STOCKS SURGE AS WAVE OF INTEREST IN AI DRIVES \$4TN RALLY

A rush of interest in artificial intelligence (AI) has helped to fuel a \$4tn (£3.2tn) rally in technology stocks this year, with the US Nasdaq exchange reaching its highest level since last August in a week that saw the chipmaker Nvidia poised to become the next trillion-dollar company. Some stocks seen as AI winners – such as semiconductor makers and software developers – have more than doubled in value as traders bet on massive growth in the industry, even as fears mount over waves of job losses as everyday tasks become automated. On Friday, the combined value of technology companies listed on the Nasdaq Composite share index reached \$22tn, according to the international data firm Refinitiv, up from \$18tn at the end of 2022. The AI rally has helped lift the index 23% so far this year.

Source: AMP.TheGuardian

CHATGPT SCORED HIGHER ON A MEDICAL QUIZ THAN A REAL HUMAN DOCTOR

Some doctors don't have a great bedside manner, coming off like unfeeling robots filled with medical know-how. But what if an AI answered questions normally posed to a doctor and did so in a way that conveyed knowledge and comfort? That question spurred a recent study led by the University of California. The study tested the empathetic answering capability of physicians and the Al chatbot ChatGPT by examining which performed better when answering 195 medical questions. In 79 percent of instances, the judges preferred the chatbot responses, which had higher quality information and more empathetic language than the physician responses. Compared with physician responses, around 4 times more chatbot responses fell into the highest brackets for quality and around 10 times more attained the highest empathy ratings. The chatbot answers were also around 4 times longer than those provided by physicians, averaging 211 words per post compared with the physician's 52 words.

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Source: AMP.TheGuardian





Who are we?

Y:WAIT is a student-led organisation built to support young women in STEM involved in the application of AI, Sciences and Technology in the work we do.

What can you expect?

- Global mentorship and advisory network
- Company visits catered to young students interested in pursuing careers in the technology industry
- Seminars and webinars with esteemed speakers from all over the globe
- Nationwide & Gglobal competitions/hackathons designed to encourage innovation in AI, especially for female youths

What is our purpose?

Raise awareness and promote interest about young women in STEM, create new and innovative ideas, build connections and partnerships within the industry and form new ventures that create impact; a movement that encourages the question: why wait?

https://ceaiglobal.com/ywait/





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. Website: www.mvfinb.com Email: enauirv@mvfinb.com



AIV50

AIV50 is a tech venture company with a portfolio of 50 AI assets in 10 key verticals. The special purpose company forms part of a joint incubation and venture building project by MyFinB Group (MFB) and VSC Portfolio Investments (VSCPI).

Website: www.aiv50.com Email: ventures@aiv50.com



THE ACCOUNTING AND FINANCE GROUP IN AI (TAFGAI)

TAFGAI is set up to help accounting firms and infuse their operations with our proprietary AI expert systems. The immediate goal is to transform their businesses, making them leaner, more tech-proficient and value adding to their clients using AI in 10 key areas. This will have the effect of positive revaluation of the firms, with healthy topline and bottomline along with a decent multiplier.

Website: www.tafqai.com



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Sofinaa addresses the primary issue faced by social welfare agencies, public agencies and organisations that channel funds to help those facing socieconomic challenges. Sofinaa provides analytical insights using AI to evaluate cases and measure how the funds have been effectively utilised - including the impact these have contributed to the beneficiaries' well-being. Sofinaa enhances transparency, accountability and generate insights relating to social return on investments.

Website: www.myfinb.com/sofinga



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Website: www.globalchamber.org



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Website: www.knowledgechamber.org Emgil: info@knowledgechamber.org



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Website: www.ediindia.org



WOMEN ENTREPRENEURSHIP CELL

Women Entrepreneurship Cell under Kadi Sarva Vishwavidyalaya (KSV), managed by Sarva Vidyalaya Kelavani Mandal, Kadi and Gandhinagar, Gujarat, India, established in 2016, to ignite to of Entrepreneurship amongst our students. In the current era, countries should create more support systems for encouraging entrepreneurship among students. At the same time, it is tigender equality to break oway from stereotyped mindests.

Website: www.wecksv.org



KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya is a University established vide Gujarat State Government Act 21 of 2007 in May 2007 and approved by UGC (ref F. 9-18/2008(cpp-1) March 19,2009). The University has been established by Sarva Vidyalaya Kelavani Mandal to achieve the following objectives: To provide need-based education and develop courses of contemporary relevance. To be a University of excellence by providing research-based activities which would foster higher economic growth. To provide education to all irrespective of caste, creed, religion etc. The University has at present 19 Constituent Colleges/Departments at Gandhinagar and Kadi.

Website: www.ksv.ac.in





Dr. Rachana specialized in Cosmetic Dentistry from State University of New York. After rendering her services to the medical field and its beneficiaries for a decade, she decided to contribute to her family business when she did her MBA from Nirma University with Gold Medal. Furthering the growth of human centric business approach, she successfully completed her course in Executive Education in Design Thinking from Stanford University.

Website: bephenomenal.co.in









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MyFinB is an award-winning tech company that specializes in artificial intelligence. The company developed its own natural language platform with predictive and prescriptive narrative capabilities - a niche area that differentiates itself from any others.

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The Centre for Al Innovation (CEAI) forms part of MyFinB Venture's portfolio of innovative, disruptive projects to guide and support the digital transformation initiatives by organisations and business innovators.



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'The Al World Summit: Where Innovators & Disruptors Meet to Challenge Limits' brings together the global Al community from a range of businesses, science and tech to go beyond the buzz and hype, discuss the most burning Al issues, share their developments, successes, challenges, and the resultant impact on their businesses.



MALAYSIA

MyFinB (M) Sdn. Bhd.

Level 13A, Menara Tokio Marine 189 Jalan Tun Razak, Hampshire Park, 50450 Kuala Lumpur, Malaysia.

Tel: +60 327 173 418



SINGAPORE

MyFinB Holdings Pte. Ltd.

One Marina Boulevard, Level 20, Singapore 018989

Tel: +65 6942 2658