

AI:10

HEADLINE NEWS IN A FLASH

- Biotech labs are using AI inspired by DALL-E to invent new drugs
- Ripe For Disruption: Artificial Intelligence Advances Deeper Into Healthcare
- What Does the Rise of A.I. Models Mean for the Field of Generative Art? NFT Artists and Curators Weigh In
- Momentum for AI adoption is building within organizations
- Mind and matter: the application of brain computer interfaces
- Would you vote for this AI politician?

INDUSTRY FOCUS

OVERCOMING THE
BARRIERS OF

**AI-LED
DIGITIZATION**

WITH HUMAN INTELLIGENCE

OVERCOMING THE BARRIERS OF

AI-LED DIGITIZATION WITH HUMAN INTELLIGENCE

Source: TechRepublic

Implementing AI on the road to Fourth Industrial Revolution (4IR)-readiness offers unprecedented opportunities for manufacturers. Manufacturing lighthouses are the trailblazing businesses adopting 4IR technologies at scale in their plants. These industries are already sustainably capitalizing on AI's ability to enable manufacturing lighthouses to make predictions and decisions, realizing many competitive, financial and operational advantages and efficiencies. Predictive maintenance, for example, already makes possible increases in asset productivity of up to 20%. With AI offering so much scope for growth in manufacturing, what is holding businesses back from adopting the Industrial Internet of Things (IIoT)?

While AI technology is driving the revolution in manufacturing, human intelligence is the biggest decider between success and failure. Increasingly, companies realize they're going to need more advanced technical, cognitive, social and emotional skills. You'll get further faster if you have greater understanding, buy-in and collaboration from your people as the business transitions to 4IR.

As companies move toward digital transformation, common barriers, such as misaligned communication, lack of buy-in, shortage of key skills and rigid company culture can be broken down by focusing on people first.

Misaligned communication

Many manufacturers function with traditional communication styles, where silos and management chains don't connect fluidly.

But, seamless communication is needed during complex change-management processes. In AI-driven projects, vast amounts of information are communicated and analyzed between different stakeholder groups. When that information is gathered and categorized properly, a broad view of operations emerges that can be seen and understood by everybody.

Lack of buy-in

Maximizing buy-in at all levels of the business increases the likelihood that projects will get support and deliver on objectives. For example, as well as providing guidance and resources, how a sponsor engages with a project will dictate how seriously the business's population will regard it. From the plant floor to IT, management and C-suite, everyone has to see value for the business and themselves, along with what the digital maturity journey will look like. People are naturally resistant to change, especially if previous change projects have underperformed or failed, which statistically many do.

In a 2019 article at The Innovator, chief digital officer at Michelin, Eric Chaniot, said of the company's success in digital transformation, that only 5% depends on technology. The remaining 95% of success is about winning over those you need to make the new environment work.

INTELLIGENCE WILL REVOLUTIONIZE GAME DEVELOPMENT



Source: GovTech

Game developers use AI in various ways, and this trend will only continue. Video games are no longer the only enjoyable leisure but an integral part of everyday life. According to recent trend reports, those who play video games are looking for immersive experiences and cutting-edge technology in the things they consume. Basic computerized pleasures like completing your daily jigsaw puzzles and word games have evolved due to advancements in development engines. The present state of video games is mainly due to artificial intelligence (AI). Game developers use AI in various ways, and this trend is only expected to continue.

What is AI in Gaming?

Non-playable characters can act creatively as if a human game player were commanding them through video games' artificial intelligence. From the software that controls a Pong paddle or a Pac-Man ghost all the way up to the universe-creating algorithms of the space expedition Elite, artificial intelligence (AI) in video games has been around for a long time. AI has significantly benefited from the gaming industry. For decades, scientists have been experimenting with new applications of the technology. Claude Shannon first contemplated One-on-one Chess on a computer as far back as 1949.

The Mind Game's primary goal is to assess players' psychological well-being.

Players may conduct any activity in a virtual world as they would in the real world, thanks to a game that produces landscapes and events on the fly. It also considers its users' psychological states to keep up with the game's ever-changing dynamics.

In essence, it challenges its participants with impossible circumstances that test their mental grit in the face of unconquerable loss. A new generation of game developers and designers is currently grappling with the fundamentals of AI in gaming, thanks to recent developments. To create more realistic virtual worlds, researchers have begun to go beyond the realm of experimental labs and into the realm of valuable products and development tools.

The significance of artificial intelligence (AI) in videogames

Game creators aim to provide players with meaningful and enjoyable experiences. From various gaming features, including images, music, gameplay timings, storylines and challenges, and content that interacts directly with the players, these experiences are created (allies, opponents, or other objects). Consequently, AI is becoming an indispensable tool for designers to manage the ever-increasing complexity of game dynamics. Additionally, businesses stand to gain significantly from the popularity of artificial intelligence (AI) in games. The gaming business is expected to achieve a market value of USD 314 billion by 2026, making it one of the most lucrative. Consequently, AI-based game development has seen a steady rise in funding globally.

AI in the Gaming Business

Instead of the gaming experience sector, the gaming business sector has been overtaken by AI. Virtual and real-world experiences are becoming increasingly intertwined in the game business. AI-powered technologies are becoming increasingly popular due to the growing potential for monetization in this hybrid society.



HEADLINE NEWS IN A FLASH

BIOTECH LABS ARE USING AI INSPIRED BY DALL-E TO INVENT NEW DRUGS

The explosion in text-to-image AI models like OpenAI's DALL-E 2—programs trained to generate pictures of almost anything you ask for—has sent ripples through the creative industries, from fashion to filmmaking, by providing weird and wonderful images on demand. The same technology behind these programs is also making a splash in biotech labs, which are increasingly using this type of generative AI, known as a diffusion model, to conjure up designs for new types of protein never seen in nature. Today, two labs separately announced programs that use diffusion models to generate designs for novel proteins with more precision than ever before. Generate Biomedicines, a Boston-based startup, revealed a program called Chroma, which the company describes as the “DALL-E 2 of biology.”

Source: *tTechnologyReview*

WHAT DOES THE RISE OF A.I. MODELS MEAN FOR THE FIELD OF GENERATIVE ART? NFT ARTISTS AND CURATORS WEIGH IN

Overall NFT trading volume has fallen a staggering 97 percent from its peak in 2021, but the horizon of crypto art can claim one bright spot: the medium of and market for generative art. On December 1 at Art Basel Miami Beach, the form is taking the spotlight at the Tezos and Fxhash exhibition, “Performance in Code: Deciphering Value in Generative Art.” Emerging generative artists such as Ivona Tau and Tyler Boswell will be featured, and visitors can mint their own generative NFTs. The exhibition follows the opening of Refik Anadol's solo show at New York's Museum of Modern Art, where generative art is receiving a major museum showcase.

Source: *VentureBeat*

MIND AND MATTER: THE APPLICATION OF BRAIN COMPUTER INTERFACES

In many ways, the brain is still a little-understood ‘black box’, with knowledge of neuroscience in its relative infancy. However, as neurological research grows, we're beginning to unlock a far greater insight into of how the brain functions, and how we might be able to optimise its performance in the future. Despite neuroscience being a relatively new discipline, and BCIs are playing a big part in its development and application. BCIs can be seen as a subset of the field of human augmentation – which is concerned with improving human performance through a variety of means. In the simplest terms, BCIs use a variety of sensors and algorithmic data to bridge the electrical activity of the brain to an external device.

Source: *PeopleMatter*

RIPE FOR DISRUPTION: ARTIFICIAL INTELLIGENCE ADVANCES DEEPER INTO HEALTHCARE

While interest in healthcare AI is high, “the level of acculturation of C-level executives is lagging, especially for organizations that would need it the most — pharmas, medtechs and hospitals,” a recent Capgemini report relates. The problem, the study's authors relate, is data. “Enhancing the patient care pathway and improving care delivery remain on the top of the organizations' agendas,” according to the report's team of coauthors, led by Charlotte Pierron-Perlès. However, only about a third of healthcare organizations surveyed by Capgemini prioritize the availability of patient information. “We do not see major progress from 2021 [the year of the previous study].”

Source: *Forbes*

MOMENTUM FOR AI ADOPTION IS BUILDING WITHIN ORGANIZATIONS

Just over one-third (35%) of companies reported using artificial intelligence in their businesses this year, a four-point increase from 2021, according to a newly-released IBM report. Adoption is being driven by advances that make it more accessible for businesses (43%) and the need to reduce costs and automate key processes (42%). Meanwhile, over 40% of IT professionals who said their companies are exploring or deploying AI reported their companies plan to invest in research and development (44%) and embed AI into current applications and processes (44%). As part of their adoption, just under two-thirds (66%) of IT professionals reported their organizations use automation tools to reduce manual or repetitive tasks, while half of the respondents said their organizations use AI-powered education solutions to increase employee learning and training.

Source: *TechRepublic*

WOULD YOU VOTE FOR THIS AI POLITICIAN?

I ask about President Trump; I ask about Brexit. All I get are canned responses that dodge my queries. Typical politician! But SAM, who I'm talking to over Facebook Messenger, is far from being a regular lawmaker. She is touted as the world's first virtual politician. And this isn't just some prank. SAM's creator wants the robo-representative to run for office in 2020. “There is a lot of bias in the ‘analogue’ practice of politics right now,” says Nick Gerritsen, who unveiled SAM last week. “There seems to be so much existing bias that countries around the world seem unable to address fundamental and multiple complex issues like climate change and equality.”

Source: *TechinAsia*



Young CFO
Young CEO



managed by Centre for AI Innovation (CEAI)

Young Global
Innovators



managed by Centre for AI Innovation (CEAI)

The Problem Statement

Youths lack social capital, industry exposure and guidance to succeed in a volatile, uncertain world.

The Programme

- AI-based learning, analysis and insights
- Catered for 95% of the workforce and student population to learn and build AI prototypes - without the need for programming/coding knowledge
- Global mentorship and advisory network
- Linkages to infinite real-life projects and case studies
- Personalised learning and roadmap
- Highly subsidized for affordability, accessibility
- Projects are aligned to UN's Sustainable Development Goals

What

Equipping youths with the right leadership and analytical skills, supported and mentored by a global network of professionals, to become future-ready.

The Impact

- New skills
- Greater network
- Sustainable projects
- Opportunities



MIZAH +65 9627 9757
WILLIAM | +65 8150 4522
OUTREACH@CEAIGLOBAL.COM

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AI tech



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- Boost your margin and cashflows on existing business
- Access to AI tech for internal or external use



You can check out all the media feature at this link:
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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. MyFinB helps people understand and communicate what is most important in their data. By transforming data into insightful, human-like language, the company's natural language technology enables people to be data-driven and make better decisions, focus talent on higher-value opportunities, and create differentiated products.

Website: www.myfinb.com Email: enquiry@myfinb.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



GLOBAL CHAMBER

Global Chamber's vision is a world where doing cross metro and cross border business is as easy as selling across the street. It also provides members with virtual connections, training, and information just right to grow... helping members connect with customers, partners and experts to grow across metros and borders. When members engage with Global Chamber, risk is reduced, and growth accelerates.

Website: www.globalchamber.org



Knowledge Chamber of Commerce And Industry

KCCI is a non-government, not-for-profit organization registered under the Central Government's Ministry of Corporate Affairs playing a proactive role in India's development process and become a knowledge voice of India's business and industry.

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



Suryadatta Education Foundation

The Suryadatta Education Foundation, SEF, is a charitable trust registered with the Registrar of Societies, Government of Maharashtra. The Suryadatta Group of Institutes was established in the year 1999, with the blessing of Late Smt Ratanbai & Shri Bansilalji Chordiya in Pune - The Oxford of East.

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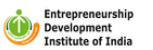
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Established in 1927, FICCI is the largest and oldest apex business organisation in India. Its history is closely interwoven with India's struggle for independence, its industrialization, and its emergence as one of the most rapidly growing global economies. A non-government, not-for-profit organisation, FICCI is the voice of India's business and industry.

Website: www.ficci.in



Entrepreneurship Development Institute of India

- A National Resource Institute in Entrepreneurship Education, Research, Training & Institution Building. Promoted by IDBI Bank Ltd; IFCI Ltd, ICICI Ltd, SBI and Govt. of Gujarat.
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Website: www.ediindia.org



Women Entrepreneurship Cell

Women Entrepreneurship Cell under Kadi Sarva Vishwavidyalaya (KSV), managed by Sarva Vidyalyaya Kelavani Mandal, Kadi and Gandhinagar, Gujarat, India, established in 2016, to ignite the spirit 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 to foster gender equality to break away from stereotyped mindsets.

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 Vidyalyaya 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



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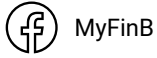
Dr. Rachana specialized in Cosmetic Dentistry from State University of New York. After rendering her services to the medical field and its beneficiaries for a decade, she decided to contribute to her family business when she did her MBA from Nirma University with Gold Medal. Furthering the growth of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

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The Centre for AI 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.



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

CONTACT US



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



UNITED STATES

**Global Chamber,
LLC.**

4400 N Scottsdale
Road, Suite 9-852,
Scottsdale, AZ 85251
USA

Tel: +1 (855) 476-9845