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Tryst with Advanced Intelligence

AI is evolving rapidly, sparking global competition as nations invest billions and debate regulations to



FR. JOHN FELIX RAJ & SOVIK MUKHERJEE

rtificial Intelligence (AI) is advancing at a breakneck pace, sparking concerns about the potential development of advanced intelligence. Despite warnings from social scientists and AI specialists, the general public seems indifferent. Skeptics argue that AI poses no real threat, citing humanity's history of success fully harnessing and profiting from disruptive technologies.

To maintain its competitive edge, the US has taken steps to restrict the supply of GPU chips to other entities. However, details about the USD 500 billion plan named "Stargate" are unclear. Meanwhile, China is rapidly advancing its AI capabilities Following DeepSeek's global success, China's top economic leaders have pledged to estab-lish a state-backed fund to drive technical innovation

France and India's joint chairing of the current AI Summit in Paris marks a sig-

niticant milestone in their collaboration on artificial intelligence. India's commitment to AI development is evident in its initiatives such as AI2, which focuses on Artificial Intelligence with 'Aspirational India,' and the establishment of 'Atal Tinkering Labs' in schools. These efforts aim to foster innovation and prepare the next generation for an Al-driven

Other countries like South Korea, Japan, Israel, Singapore, and the UAE are also ing their AI capabilities. The Al Action Summit in Paris saw the launch of the Coalition for Sustainable AI, which aims to promote sustainable Al practices, and the Current AI Foundation, which focuses on developing and supporting large-scale AI initiatives that serve the public interest.

balance innovation, security, and ethics while dealing with its potential risks and transformative power The summit also high lighted the need for global cooperation in AI develop-

ment, with Prime Minister Modi advocating for a global governance structure that promotes innovation while ensur ing fair access, especially for developing countri

Speedy Advances: Recent Developments

The AI landscape is evolving rapidly, with recent breakthroughs poised to rev-olutionise the field. Google's announcement about quantum chips is expected to accelerate Al advancements, bringing advanced intelligence closer to reality.

Late 2024 saw the introduction of OpenAI's 03 model, boasting improved reasoning abilities. This was followed by Google's Gemini 2.0 Flash Thinking model, Amazon-backed Anthropic's Claude 3.5 Sonnet, and Meta's Llama 3, 3.1, and 3.2. The AI race, which began in November 2022, is ing momentum with Chat GPT 40 and OpenAl ol.

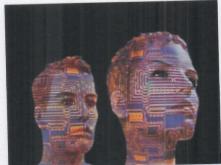
China has made waves with DeepSeek, an opensource, affordable programme

that's generating significant interest worldwide. As AI becomes increasingly accessible on smartphones, personal computers, and laptops the amount of data it collects is growing rapidly, along with its networking-enabled capabilities.

Following Trump's presidency, Elon Musk has made significant strides. He success fully installed 100,000 Nvidia H100 GPUs on the state-ofthe-art Colossus computer in just 19 days. The system is being upgraded to 200,000 GPUs with the newer, faster H200 models. Meanwhile, Meta is investing USD 10 billion in a complex in Louisiana. What is Advanced

Intelligence?

Advanced Intelligence refers to a revolutionary technology that surpasses the capabilities of current Artifi-cial Intelligence (AI). While



The recent breakthroughs in Al are poised to revolutionise the field

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Al excels in performing specific tasks, Advanced Intelligence aims to replicate the full ectrum of human cognitive abilities, including creativity, intuition, and emotional intelligence.

the primary distinction between AI and Advanced Intelligence lies in their degree of human-like intelligence. Current Al systems are designed for specific tasks, whereas Advanced Intelligence is intended to be more general-purpose, capable of reasoning across various domains and solving complex problems. It integrates human values and preferences into decision-making, making it more responsive to human

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Intelligence Advanced holds tremendous potential as a game-changing technol-ogy, poised to tackle some of humanity's most pressing challenges, such as inequality and climate change. While this field is still in its infancy, ongoing research and development are crucial to unlocking the full potential of Advanced

Pressing Issues and Concerns

As Advanced Intelligence continues to evolve, it poses significant concerns that must be addressed. With its poten-tial to create artificial beings that can perform cognitive functions akin to human minds Advanced Intelligence raises important questions

about its impact on society. The relationship between Human Intelligence (HI) and Artificial Intelligence (AI) is often debated. While some argue that AI is an extension of HI, others contend that Advanced Intelligence could potentially replace HI. This concern is exacerbated by the fact that Advanced Intelli-

ties of both AI and HI, leading to unintended consequences. Societal Implications

The advent of Advanced Intelligence poses significant societal risks. If companies fail to upskill their workforces, this could result in higher unemployment and decreased opportunities for marginalised groups to break into tech. Furthermore, the automation of jobs can potentially lead to widespread unemployment and social unrest.

The spread of deepfakes also threatens to blur the lines between fiction and reality, leading the public to ques-tion what's real and what's not. Additionally, data security breaches will have a higher chance of occurring, which could expose consumers' per-sonal information.

Ethical Concerns

The development and use of Advanced Intelligence also raise pressing ethical concerns. The potential for auti weapons to fall into the wrong hands amplifies risks to civilians. Moreover, the diversion of resources into Advanced Intelligence could potentially neglect other technologies and

The misuse of AI to violate people's privacy and spy on them is another concern, undermining individual freedom. Many experts, including technologists, journalists, and political figures, are sounding the alarm on AI's potential pitfalls, including weakening ethics and human values Advanced Intelligence could make matters worse

Furthermore, the increasing reliance on Advanced Intelligence could have a proues and creativity. Applying advanced intelligence for cre-ative endeavors could even diminish human creativity and emotional expression. Interacting with such systems too much could also lead to reduced peer communication and social skills.

cerns. Pope Francis has called for the creation and adoption of a binding international treaty to regulate the development and use of AI. This sentiment was echoed in his message for the 2024 World Day of Peace and in a 2023 Vatican meeting.

Conclusion

Have humans inadvertently created an Advanced Intelligence that can jeopardise their own existence? The answer is no. Maybe, humanity is subject to so amount of risk. But not to the

extent of existential crisis.

It is essential to remember that machines, no matter how advanced, are still just machines. They can simulate emotions, but they lack human consciousness. As the saying goes, "prevention is better than cure." We must ensure that machines serve humanity, not the other way around.

The fusion of artificial intelligence and human intelligence has given rise to Advanced Intelligence, a technology with vast potential to transform various aspects of our lives, including healthcare, education, climate change, robotics, fintech, energy management, and mor

By acknowledging both the benefits and challenges of Advanced Intelligence, we can harness its potential to create a more sustainable, equitable. and prosperous future for all. As Jesus once said, "No servant is greater than his master, nor is a messenger greater than the one who sent him. Let us maintain this perspective as we navigate the rapidly evolving landscape of Advanced Intelligence. Fr. John Felix Raj is the

Vice Chancellor of St. Xavi-er's University, Kolkata, and Sovik Mukherjee is an Assistant Professor of Economics in the Faculty of Commerce

and Management at St. Xavier's University, Kolkata Views expressed are personal