



FIRST COLUMN

SHAPING INDIA'S AI FUTURE

As AI redefines global power dynamics, India is emerging as a key player in its governance and innovation



KUMARDEEP BANERJEE

Prime Minister Modi's Paris and Washington visit, meetings with the two most powerful leaders from the developed world, comes at a time of shifting geopolitical sands. The buzzword around both these high-level bilaterals was high-end technology cooperation in a world, increasingly getting fragmented. India was the co-chair of the AI Action Summit in Paris, along with the host country France. This is the third global-level event on Artificial Intelligence, making it a Kumbh of technology leaders, policy makers, experts, corporates and world leaders in France. The theme was how to harness the power of this nearly mind-bending technology, whose evolution has been compared to the invention of the wheel and humans learning to use fire safely.

Almost simultaneously, China released a nimble version of the generative AI tool DeepSeek, which is currently a huge challenger to US billions of dollars infused into US technology companies' almost monopolistic dominance on AI tools and standards. US President Biden in his last week at the Oval Office had passed an executive order called the Interim Final Rule (IFR) on Framework for Artificial Intelligence Diffusion, essentially imposing export controls on high-end software and hardware required for AI development across nations which may be considered inimical to US interests (i.e. China) but also, close allies like India.



While the global technology industry stakeholders have requested the new President to be consistent with the Trump Administration's previously stated, Regulatory Freeze Order, and suspend implementation of the AI Diffusion Rule until the Secretary of Commerce and other relevant officials can review the rule appropriately and pursue robust stakeholder engagement so that the rules reflect the government's objectives and ensure companies can engage with key US trading partners. President Trump is yet to revoke the executive order signed by his predecessor, even though he did sign a fresh one on January 23, which potentially hints at a pause.

Three days into the Oval Office President Trump signed the executive order on AI development and deployment stating the purpose as "The United States has long been at the forefront of artificial intelligence (AI) innovation, driven by the strength of our free markets, world-class research institutions, and entrepreneurial spirit. To maintain this leadership, we must develop AI systems that are free from ideological bias or engineered social agendas. With the right Government policies, we can solidify our position as the global leader in AI and secure a brighter future for all Americans. This order revokes certain existing AI policies and directives that act as barriers to American AI innovation, clearing a path for the United States to act decisively to retain global leadership in artificial intelligence. It is the policy of the United States to sustain and enhance America's global AI dominance in order to promote human flourishing, economic competitiveness, and national security."

India is aiming to have an equal say on global high tables of AI governance, innovation and development. It has an ambitious AI mission of its own, which is heavily dependent on high-end chips and Graphic Processing Units (GPUs) currently available from US technology companies. Any restrictions on access to these high-end processors would upset the ambitious goal envisaged under the India AI mission. The conversation in Paris, India's announcement to host the fourth global AI summit in Delhi, and conversations with President Trump and other leaders this week, are steps in the right direction.

(The writer is a policy analyst; views are personal)

Palestine in ruins: The unbearable cost of war

As political instability deepens and global powers debate the future of Gaza, millions of Palestinians face an uncertain and harrowing future



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On October 7, 2023, Hamas fighters successfully launched a massive attack on Israel, but the price that Palestinians had to pay for it is heartbreaking. It will take three centuries to recover from the destruction caused by this war, which lasted for more than 15 months. According to a United Nations survey, it may take more than 350 years to rebuild Palestine, which has been reduced to rubble. The estimated loss in the first four months of the war was \$18.5 billion. At present, about 69 per cent of the structures in Gaza are either damaged or destroyed. More than 50 million tons of rubble have accumulated in the Gaza region, which may take more than 15 years to remove. Piles of rubble are visible throughout Palestine due to bombings and ground operations.

A United Nations report states that the accumulated rubble is approximately 12 times the size of the Great Pyramid of Giza in Egypt. According to estimates, even if more than 100 trucks work continuously, it may still take more than 15 years to clear the debris. Three generations born in tents will likely have to make them their permanent homes for a long time. Reconstruction will require billions of dollars, yet no international institution is willing to invest in an ungoverned region that has seen five wars in less than two decades.

Using satellite data, the United Nations estimated last month that 70 per cent of structures in Gaza have been destroyed, including more than 245,000 residential buildings. The World Bank estimated losses of \$18.5 billion in the first four months of the war—an amount nearly equal to the combined economic output of the West Bank and Gaza in 2022. Major roads have been turned into deep trenches, essential water and electricity infrastructure has been destroyed, and most hospitals are no longer functional due to being targeted during the bombings. According to the United Nations, more than 50,000 people have died in Gaza, 44 per cent of whom are children. The children who have survived are suffering from sickness, stress, insomnia, depression, and fear. They are terrified of every stranger. The children of Gaza have lost the will to live. Amidst the devastation, 96 per cent of children express a desire not to live, and 49 per cent say they would have preferred to die. Among those who feel this way, 72 per cent are boys and 46 per cent are girls. A Netherlands-based organisation, War Child Alliance, has collected shocking and heartbreaking data. The alliance gathered this information from 500 parents or caretakers, including families whose children were crippled in the war or separated from their families.

Their findings revealed that 92 per cent of the children surveyed are unable to accept the reality of war. The smell of gunpowder lingers in Gaza's atmosphere. The situation is so dire that 79 per cent of children experience nightmares, and 73 per cent have become so overwhelmed that their behaviour has turned aggressive. Many scream and moan in their sleep. These children have witnessed their homes and schools reduced to rubble. Their young minds are shattered, unable to comprehend why they are being punished and what crime they have committed.

Devastated by this horrific situation, the entire Palestinian government, including



DESPIE MULTIPLE RESOLUTIONS CALLING FOR A CEASEFIRE IN THE UN GENERAL ASSEMBLY, ALL PREVIOUS EFFORTS HAD FAILED. ISRAEL WAS EVEN INCLUDED IN THE LIST OF SHAME, A DOCUMENT THAT RECORDS ALLEGED RIGHTS VIOLATIONS AGAINST CHILDREN IN ARMED CONFLICT

Prime Minister Mohammad Shtayyeh, has resigned. In his resignation letter, he acknowledged that Palestinians in the Gaza Strip are starving. Tensions escalated further when an American airman involved in military operations set himself on fire outside the Israeli embassy in Washington, DC, repeatedly shouting, "No more involvement in genocide." The United Nations has passed a ceasefire resolution, endorsed by 158 nations, including India.

Despite multiple resolutions calling for a ceasefire in the UN General Assembly, all previous efforts had failed. Israel was even included in the List of Shame, a document that records alleged rights violations against children in armed conflict. In this report, Israel is accused of committing severe violations of children's rights. This inclusion has angered Israel and damaged its international reputation. Several key European Union countries, which previously sympathised with Israel, have now condemned its actions. Despite continued American support, Israel's economy has begun to collapse. In recent months, GDP growth has been only 0.7 per cent. The Israeli army has requested \$16 billion, equivalent to 3 per cent of the country's GDP. Even after the ceasefire, the military requires \$8 billion annually to address new security challenges.

The fiscal deficit has now reached 8 per cent of GDP. Israel is also deeply concerned that fighting has spread to its major business hubs, Tel Aviv and Jerusalem. In January, Israel's debt stood at 62 per cent of GDP, which is still lower than the average for most wealthy nations in the OECD. However, prominent credit rating agencies such as Fitch and Moody's have already downgraded Israel's credit rating once this

with the possibility of further downgrades shortly.

Following the Hamas attack last year, Israel revoked work permits for 80,000 Palestinian workers. No replacements have been hired, leading to a 40 per cent decline in the construction industry. The same trend is observed in the high-tech sector and other industries. Inflation reached an annual rate of 3.6 per cent last month. If the war had continued any longer, the value of the Israeli shekel might have dropped further, forcing banks to rely on their reserves. Although a ceasefire is in place, this does not mark the end of the war. A recent statement by US President Donald Trump has crushed any hopes of peace efforts. Israel's Prime Minister, Benjamin Netanyahu, is currently visiting the US, where he has been given priority among the foreign guests invited by the President. However, Netanyahu faces growing protests in Israel, driven by both economic instability and widespread public dissent. The situation worsened when Israel's Defense Minister, Benny Gantz, resigned from his position along with other members of his party, putting additional pressure on the government. Both leaders have sparked global controversy following a press conference at the White House, where they announced plans for the US to occupy the Gaza Strip and transform it into a resort city.

The proposed project would turn Gaza into a hub for employment and tourism in West Asia. The entire area would be levelled to develop infrastructure, and the 2.3 million people currently living in Gaza would be relocated to countries such as Egypt and Jordan. However, both Egypt and Jordan have firmly rejected this proposal. Experts argue that international laws and treaties will pose a significant obstacle to

any US attempt to occupy Gaza. Meanwhile, major Arab nations are mobilising against Trump's plan, with Saudi Arabia, Egypt, Jordan, Qatar, and Turkey openly opposing it.

Hamas has strongly condemned the proposal, labelling it ethnic genocide. Several US lawmakers, both Democrats and Republicans, have also voiced their opposition. In the past, Trump had similarly expressed intentions to occupy Greenfield Island, take control of the Panama Canal, and annex Canada as the 51st state of America. The Israeli parliament has enacted several controversial laws that have further inflamed tensions with Palestine and Arab nations. For example, the Jewish State Bill officially declares Israel as a Jewish state, effectively relegating non-Jewish communities to second-class citizenship. Additionally, the decision to shift the capital from Tel Aviv to Jerusalem is widely seen as an act of provocation against Palestinians. Israel also occupies the Syrian territory of the Golan Heights, which has been under Israeli control since the 1967 war.

A massive city, known as Trump City, is currently being developed in the region. The month of Ramadan is approaching, which is likely to bring additional hardships. Tensions surrounding the AI-Aqsa Mosque also intensify during this time, as restrictions are often imposed on Muslim worshippers. At present, the likelihood of renewed conflict appears higher than the prospect of lasting peace. The international community is also deeply concerned about the Trump administration's decision to withdraw US representatives from the United Nations.

(The writer is a former Member of Parliament; views are personal)

India stands on the brink of an AI-driven revolution

By prioritising comprehensive AI education, ethical governance and transparent regulations, India can lead the global AI revolution

India is emerging as a dominant force in Artificial Intelligence (AI), shaping its economy, security, and global influence. At the ongoing AI Summit in Paris, India's leadership in AI highlights its commitment to technological advancement and innovation. The Prime Minister's prominent role at the summit underscores the country's strategic focus on AI, positioning it as a counterforce to China's deepfake threats. Whether in AI, digital transformation, or healthcare, India is rapidly evolving into a global technology powerhouse, striving for AI self-reliance and economic growth.

AI is no longer a futuristic concept—it is an immediate reality reshaping India's digital landscape. Projections sug-

gest that AI will contribute \$500 billion to the Indian economy by 2025, accounting for 10 per cent of the national GDP. The technology is revolutionising industries, from agriculture to healthcare and revitalising cultural and linguistic heritage. India is not merely adopting AI; it is actively leading the revolution through ambitious government initiatives, collaborations with tech giants and extensive investment in AI infrastructure. The Indian government has launched several initiatives to position the country as a leader in AI. The IndiaAI Mission and the establishment of India's first AI University in Maharashtra reflect a strong commitment to technological leadership. Partnerships with global tech



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firms like NVIDIA are helping develop AI solutions tailored to India's unique challenges. AI-driven tools in agriculture, such as CropIn and Intello Labs, assist farmers in predicting weather patterns, optimising irrigation, and detecting crop diseases, thereby boosting productivity and sustainability. India's corporate sector is also investing heavily in AI.

Companies like Infosys and TCS are deploying AI-driven solutions to streamline business processes, automate customer service, and optimise supply chains. Infosys' Nia platform enhances efficiency and reduces operational costs, while Zoho's AI-powered CRM tools empower small and medium enterprises to compete globally. Generative AI tools like ChatGPT are increasingly being utilised by job seekers, with 87 per cent leveraging them to refine resumes and prepare for interviews.

Despite its rapid progress, India faces significant challenges in AI adoption. A critical skills shortage in AI-related professions remains a pressing issue. To address this, the National Programme on AI,



launched by NITI Aayog, aims to train over a million workers in AI skills. Additionally, states like Karnataka and Telangana are establishing AI hubs to nurture innovation and talent development. However, while India produces over 1.5 million engineers annually, only a small percentage have the specialised expertise required for AI development. AI's rise also brings security concerns. Cyber threats are

growing, with increasing vulnerability to sophisticated cyberattacks. In 2023, a major Indian bank suffered a ransomware attack, disrupting services for millions of customers. AI-powered cyber tools, while beneficial, can be exploited by malicious actors. The dangers of misinformation and AI-generated deepfakes are also becoming more apparent. The viral deepfake video of actor Rashmika Mandanna in 2023 highlighted the risks of AI-driven disinformation. Similarly, AI-powered voice cloning scams are on the rise, posing significant fraud risks.

AI is also playing a crucial role in preserving India's cultural and linguistic heritage. Institutions like IIT Madras are developing AI models to revive

endangered languages such as Toda and Gondi.

The Bhandarkar Oriental Research Institute is using AI to digitise ancient manuscripts, ensuring the preservation of India's historical knowledge. AI is further enhancing the entertainment sector through immersive experiences, such as virtual reality tours of historical sites and AI-curated regional literature and music recommendations.

In healthcare, AI-driven tools like Niramai are revolutionising early cancer detection, while telemedicine platforms like Apollo Telehealth are providing medical access to rural communities. The education sector is benefiting from AI-powered platforms. In disaster management, AI is helping predict natural disasters and

coordinate relief efforts. The Indian Meteorological Department employs AI to analyze weather patterns and issue early warnings for cyclones and floods, thereby minimising casualties.

AI is not merely a technological tool; it is a transformative force shaping India's future. However, the country must strike a balance between innovation and regulation to ensure ethical AI deployment. As AI evolves, India must establish a robust framework to address ethical concerns, security risks, and workforce reskilling. Collaborative efforts between the government, industry, and academia will be key in ensuring AI benefits for the society.

(The writer is an assistant professor at IIT, Sonapat; views are personal)



Stories That Felt Like Home

A festival where stories lived, music felt like home and strangers left as part of a family, says SAKSHI PRIYA

Some stories are meant to be read, some meant to be watched, but the best ones? They are meant to be heard. Words, when spoken the right way, don't just tell a story, they create a world. That's exactly what happened at the Kathakar International Storytellers Festival.

Now in its 18th edition, Kathakar, India's first and Asia's largest oral storytelling festival, was brought to life by the Gahilote sisters, Rachna, Prarthana and Shaguna. Organised by Nivesh, HHACH and Babaji Music and supported by the Ministry of Culture, Ministry of Tourism and Delhi Tourism. Three days, countless stories and a sea of people who arrived as strangers but left as part of something bigger.

Day 1: Conversations That Stayed

The festival opened with a speech about something that hit home, how, in a world of 15-second videos and endless scrolling, we are forgetting how to listen. The morning was reserved for school children and honestly? Watching them sit, eyes wide, completely absorbed in stories was proof that no matter how much the world changes, a good story will always find its audience.

The evening, however, was when the magic truly began. Kutle Khan Manghaniyar took the stage, his hypnotic Rajasthani folk beats turning the space into a desert courtyard under the open sky. Then came Mohit Chauhan and Imtiaz Ali, in



AS LONG AS THERE ARE STORIES, THERE WILL BE STORYTELLERS. AND AS LONG AS THERE ARE STORYTELLERS, THE WORLD WILL ALWAYS LISTEN.



conversation with Prarthana Gahilote. The *kissey* felt like a late-night chat between two old friends, except the audience got to listen in. Chauhan spoke about the feeling behind a song, while Ali shared how stories take shape when you truly see people. Every word felt like a quiet nudge, reminding everyone that art isn't just about creating, it's about understanding.

The first day felt like an old book, one whose pages smelled of nostalgia, yet felt fresh.



Day 2: Music Felt, Words Heard

Usifu Jaloh from Sierra Leone, a storyteller who lived every word. With every movement, every shift in tone, he pulled people into his world. It didn't matter if you understood the language; you felt it. That's the beauty of storytelling, sometimes, emotions speak louder than words.

Later, Anurag Basu and Mohit Chauhan took the stage, turning a planned talk into an intimate exchange between two artists who just get each other. Basu spoke about how streaming platforms are changing the way we consume stories.

Bhupinder Babbal, fresh off the success of Arjan Valley Ve, set the perfect mood before the man everyone had been waiting for, Lucky Ali, walked in. The first notes of O Sanam sent a ripple through the crowd. Some people froze, some closed their eyes, others just felt. By the time he sang Dooba Dooba, the audience wasn't singing along, they were reliving something. A road trip, a lost love, a version of themselves from years ago. Day 2 felt like a storm - powerful, unexpected, impossible to ignore. The kind that reminds us why we turn to art, to remember, to feel, to belong.

Day 3: The Last Page Turns Slowly

The last day of a festival always carries a touch of melancholy, the realisation that this small world, built over three days, is about to fade away. Sajid Ali reflected on how films like Laila Majnu and Chamkila continue to resonate, perhaps because some stories are not just written, they are lived.

As the evening set in, music once again took centre stage. The Niazi Brothers performed Chaap Tilak and something shifted in the air. The claps, the swaying bodies, the voices rising as one, this was not simply a performance; it was a moment shared. The last day was like the final chapter of a book one does not want to finish. It carried joy, even in its farewells. And is that not the best way to conclude a story?

A FORGOTTEN ART WORLD



Samvega: Aesthetic Shocks is about artists whose voices have been quiet for too long, now finally heard, says TEAM VIVA



What does it feel like to stand before a work of art and sense something shift inside you? To encounter colours, patterns and forms that seem to hold centuries of wisdom? To realise that an artist whose name you have never heard has created something that speaks to you across time? Samvega: Aesthetic Shocks is an exhibition that invites this kind of experience. Featuring eleven artists whose works have remained largely unseen, the show brings forward a legacy of brilliance long overdue for recognition. Curated by Minhazz Majumdar.

There is something deeply moving about seeing these works gathered in one space. They hold a quiet urgency, a sense of voices that have waited too long to be heard. Some pieces feel meditative, drawing you in with intricate patterns and balanced compositions. Others disrupt that stillness, shifting perspectives and challenging the way art is traditionally viewed. Some works reveal themselves slowly, while others strike instantly, demanding attention in unexpected ways.

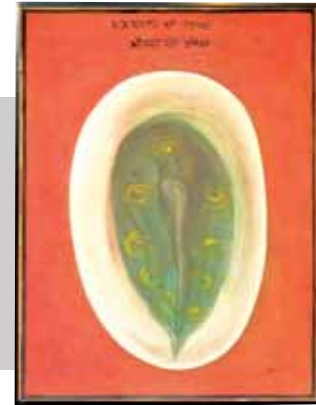
The Sanskrit term Samvega refers to an aesthetic shock, a moment of deep realisation that transforms perception.

Some of the artists in Samvega have inherited these traditions through generations of training, while others have forged their own paths, developing styles in quiet dedication. Their works reflect a world where mathematics and mysticism, structure and spontaneity, come together in visual form. Samvega is the culmination of that journey, ensuring these artists receive the recognition they deserve.

This is the kind of exhibition that stays with you. It is a reminder that art is not simply something to be admired from a distance, but something to be felt.

STEP INSIDE AND LET THE WORKS SPEAK. THE ARTWORKS CAPTURE ESSENCE THROUGH SACRED GEOMETRY, COSMIC SYMBOLISM OR INTENSITY, INVITING CONTEMPLATION AND CONNECTION

PHOTOS: PANKAJ KUMAR



Layers of Shared Expression

What happens when artists, each with their own vision, style and philosophy, come together under one roof? *Forms /// Formation*, explores the relationships between artistic practice, collaboration and individual expression. Featuring painting, sculpture, ceramics, photography and printmaking, the exhibition offers a rare opportunity to see how different generations of artists engage with shared ideas while maintaining their distinct voices.

At the heart of the show is the exchange of influences, both direct and indirect. Anupam Sud's etching *Sunset* presents a quiet, introspective moment, where shadowy figures dissolve into their surroundings. Madhur Sen's ceramic sculpture *Cold Winter Night* captures the weight of silence in its smooth, muted textures, evoking a sense of time suspended. Ananda M Banerji's



acrylic-on-canvas painting uses deep reds and ochres to create a hypnotic rhythm, while *Red Sky*, a mixed-media work on archival material, feels like a fleeting memory made permanent.

Biman Das, a Padma Bhushan awardee, presents a recent sculpture that bridges tradition and contemporary sensibilities, reflecting his mastery of form and material. Meanwhile, photography adds another layer to the exhibition, with Aditya Arya's cyanotype prints, deep blue impressions that carry an almost

dreamlike quality, inviting viewers to reconsider the boundaries between past and present.

Art thrives on conversation, between artists, between works and between those who come to see them. *Forms /// Formation* is a reflection of this ongoing process, where ideas take shape and shift in unexpected ways. The exhibition runs until 16th February 2025 at The Stainless Gallery, New Delhi. Take the time to step inside, look closely and become part of the dialogue.

