GLASS CEILING

JMIS

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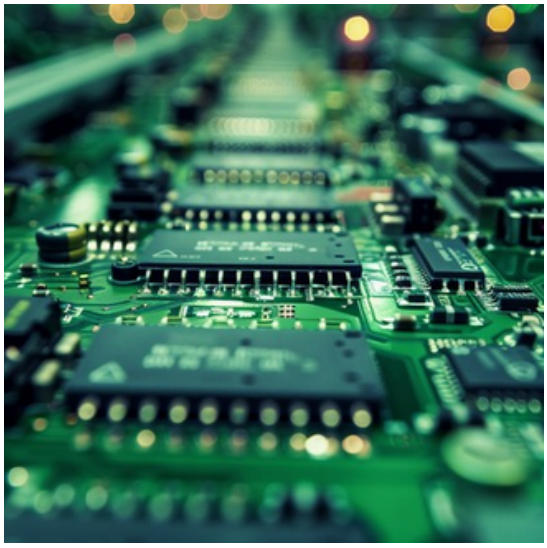
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WORLD NEWS

THE AI REVOLUTION POWERING THE NEXT CENTURY

~ VIVAN DAHIYA X-C





How artificial intelligence infrastructure, data processing power, and energy grids are redefining modern diplomacy, global economics, and international competition.

Artificial intelligence is no longer just software; it is fast becoming the backbone of global power. Today, a nation's economic strength depends on its access to supercomputers, massive data networks, and the energy needed to run them.

Although software can be built anywhere, the physical hardware is far harder to produce. Advanced microchips and server facilities are complex and costly to build, leading nations to invest billions in domestic chip manufacturing to protect their technological independence.

In response, global powers are racing to build resilient supply chains and power grids. As AI demands massive amounts of electricity, securing clean energy has become a top priority for sustaining the next generation of digital infrastructure. and developing alternative supply chains.

CONCLUSION:

The balance of global power is shifting from traditional resources to technological strength. The AI race isn't just about software–it relies on physical microchips, clean energy, and robust data infrastructure. Nations that secure reliable supply chains and power grids will hold a clear economic advantage in the digital age.

DID YOU KNOW ?

- Training a large AI model can use as much power as hundereds of homes consume in a full year.
- Microchips contains billions of microscopic transistors packed onto a piece of silicon smaller than a fingernail.
- A major portion of the world's most advanced microchips depends on just a few specialized global supply chains.

OPINIONS & debate





OPINIONS AND VIEWS

THE GRID DILEMMA: NUCLEAR BASELOAD VS. RENEWABLE INNOVATION

In the modern era, the rapid growth of technology and digital infrastructure has created an unprecedented global demand for clean, uninterrupted electricity. One energy source at the center of this debate is nuclear power. Nuclear energy refers to the generation of electricity using nuclear reactions to produce heat, which drives steam turbines without releasing greenhouse gases into the atmosphere during operation.

Supporters of nuclear power argue that it is an indispensable tool for achieving a carbon-neutral future. In many cases, it provides a stable, high-capacity power supply that operates continuously 24/7, regardless of weather conditions or time of day. Through advanced reactor designs, nuclear facilities can supply immense amounts of power to cities and industries while occupying a remarkably small physical footprint compared to sprawling solar or wind farms.

However, critics believe that nuclear energy carries financial and environmental risks that outweigh its benefits. They argue that building nuclear plants is immensely expensive and takes over a decade to complete, delaying immediate climate action. Furthermore, long-term concerns regarding radioactive waste disposal and the lingering possibility of severe accidents make it a high-risk investment compared to rapidly deployable renewables like solar and wind.

The debate around nuclear energy ultimately reflects a broader challenge in modern energy policy: how to balance immediate grid reliability with long-term environmental safety. While it is important to secure constant power for our growing technological needs, it is equally essential to choose energy paths that are safe, cost-effective, and sustainable for generations to come.

-AVIRAL DUBEY XI-A

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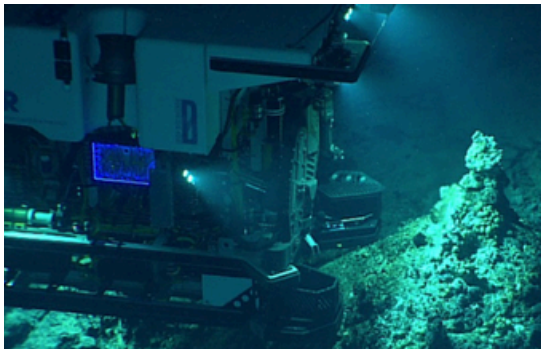
VERSUS BATTLE

Investing in Mars Exploration vs. Protecting Earth's Oceans



FOR THE MOTION

Supporters of Mars exploration argue that reaching for the Red Planet is vital for long-term human survival and technological advancement. Establishing a presence on another world serves as an insurance policy for civilization against potential global catastrophes on Earth. Pushing the boundaries of interplanetary travel forces unprecedented scientific breakthroughs in closed-loop life support, solar energy efficiency, water recycling, and autonomous robotics. These technical innovations frequently trickle down into direct societal solutions, driving economic growth and inspiring the next generation of engineers and scientists worldwide.



AGAINST THE MOTION

Critics argue that spending billions of dollars on Mars missions is difficult to justify when Earth's oceans are facing unprecedented ecological crises. The oceans generate over half of the world's oxygen, regulate the global climate, and absorb a vast portion of human carbon emissions. Yet, issues like marine pollution, deep-sea mining, ocean acidification, and coral bleaching threaten global ecosystems and food security. Instead of pouring immense resources into colonizing a barren planet, critics believe governments should fund marine conservation, sustainable fisheries, and deep-sea research to safeguard the planet we already call home.

-ANSH TOMAR XI-A

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KNOW THE WORLD

Asia – AI Dominance & Semiconductor Leadership: Asian hubs lead global innovation, rapidly scaling artificial intelligence, advanced robotics, and next-generation microchip production.

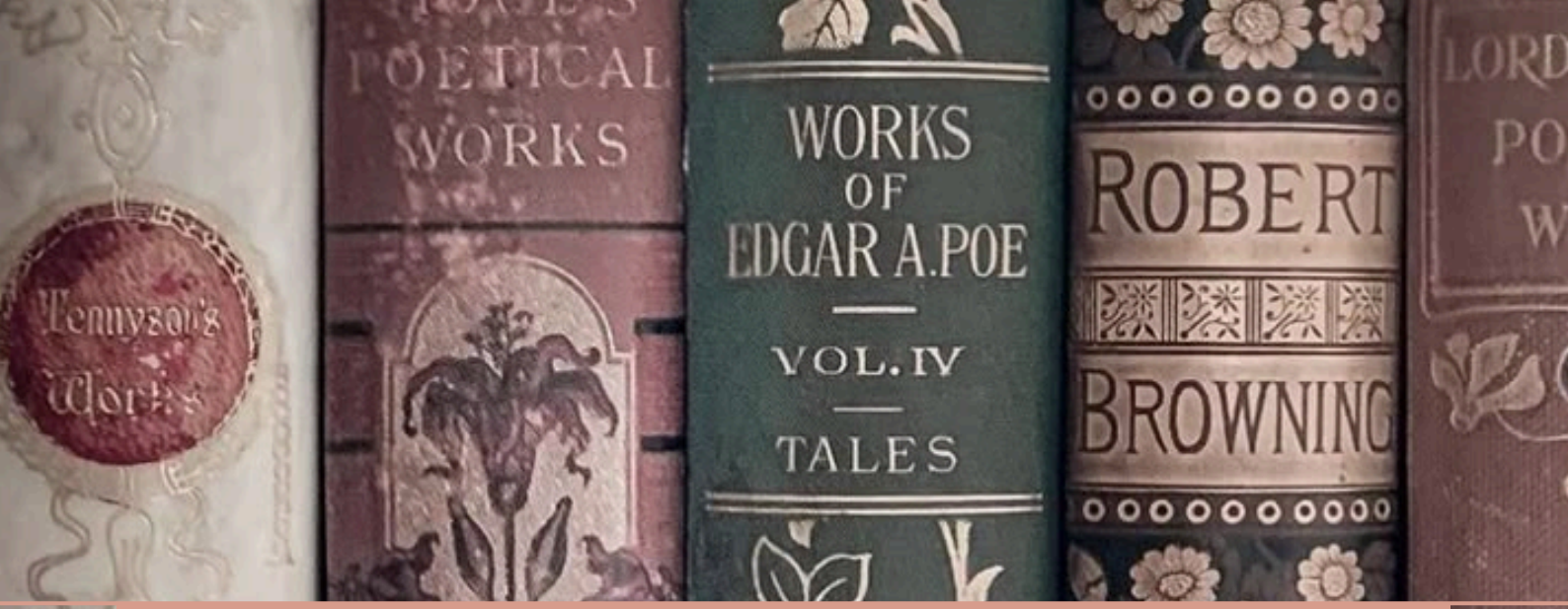
Europe – Green Transition & Grid Modernization: European nations are expanding renewable energy grids and implementing strict climate frameworks to achieve long-term industrial sustainability.

Africa – FinTech Expansion & Global Minerals: A rising generation of young tech entrepreneurs is transforming regional trade, agriculture, and mobile finance across the continent.

Americas – Trade Realignment & Infrastructure: Countries across the Americas are restructuring global supply chains through nearshoring and domestic manufacturing incentives. Increased investments in clean energy grids, digital infrastructure, and AI integration are driving regional economic competitiveness.



- **VIVAN DAHIYA X-C**



NARRATIVE NEXUS

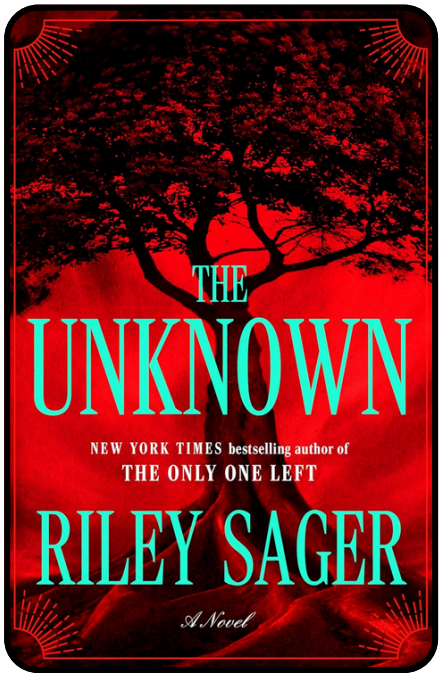
BOOKS

REVIEW

Book buzz

The Unknown by Riley Sager follows struggling actress Marin Keane as she travels to a isolated Vermont island to film a movie about five spiritualists who mysteriously vanished there in 1926.

Cut off by fog and rising tides inside an eerie estate, the cast and crew face strange occurrences that chillingly mirror the past. Marin must uncover the island's secrets before history repeats itself. Packed with atmospheric tension and sharp twists, The Unknown is an addictive gothic thriller perfect for fans of locked-room mysteries.



~ LAKSHITA XI A

Art



~ANSH TOMAR
XI A



~ ANSH TOMAR
XI A

SPORTS

INSPIRING EVENTS AND PERSONALITIES OF THE SPORTS FIELD

DOMMARAJU GUKESH

Dommaraju Gukesh is one of India's most brilliant young grandmasters and the reigning World Chess Champion. He shocked the sports world by becoming the youngest player in history to win the World Candidates Tournament and subsequently claim the World Championship crown.

Hailing from Chennai, Tamil Nadu, Gukesh's rise is defined by extraordinary calculation, fearless play, and quiet mental strength. He achieved global fame at age 16 when he became the youngest player ever to defeat 5-time World Champion Magnus Carlsen in an online rapid event. He later proved his prowess in classical chess by stunning Carlsen in a high-stakes encounter at Norway Chess.

His historic victories include leading India to a Gold medal at the 45th Chess Olympiad and breaking multiple world records for being the youngest grandmaster to cross elite rating milestones.

Gukesh's achievements have revolutionized modern sports in India. His remarkable journey proves that composure, strategic vision, and determination can conquer the absolute summit of world chess.

~ NAITIK VATS XI A

Artificial Intelligence in Healthcare

Access to efficient, precision healthcare remains a critical priority for communities across the globe. Artificial Intelligence (AI) provides an innovative, sustainable solution by analyzing complex medical data to improve diagnostic accuracy, streamline hospital workflows, and enhance patient care. With rapid developments in machine learning, healthcare AI holds tremendous potential to address global medical challenges, marking an essential step toward advanced medical research, public health efficiency, and life-saving treatments.

The technology typically utilizes deep learning algorithms to process high-resolution medical imaging, medical records, and genetic data. These systems power applications such as early disease detection, automated ECG interpretation, and predictive analytics. These tools help identify early-stage tumors, assist in early cardiac screening, and enable personalized treatment plans, ensuring patients receive timely and targeted care.





One of the greatest advantages of AI in medicine is its ability to process massive datasets instantly without human fatigue, making it invaluable in understaffed clinics and high-volume emergency rooms. AI diagnostic tools operate continuously, providing real-time clinical decision support that helps lower misdiagnosis rates and accelerate patient intake. In addition to boosting diagnostic accuracy, AI platforms streamline administrative documentation and triage routines, drastically reducing operational costs and freeing medical personnel to spend more time directly with patients.

The technology relies on cloud infrastructure and advanced microprocessors to run predictive models efficiently. Once integrated, AI platforms require minimal maintenance while delivering continuous assistance across hospital departments. These intelligent systems are ideal for remote clinics and primary health centers, bridging the gap where specialized medical expertise is scarce or inaccessible.

- NAITIK VATS XI A

POESIC



I love everything about the rain.
I love the quiet skies before it falls,
the cool breeze drifting through open doors,
and the sudden stillness that settles in.
I love the scent of the dampened earth,
the silver drops upon the windowpane,
the rhythmic song on the rooftop,
and the sudden relief from the summer heat.
Though I realize
the clouds eventually scatter,
and the storm never truly stays,
I love the way it washes away the dust,
leaving the leaves a deeper shade of green.
I love the way it is romanticized in my head,
I love the way that when it leaves,
the sun shines brighter than before.
I love the way the thunder feels like
a sudden spark of hope
when everything feels dark.
More importantly,
I love the quiet peace it brings to my mind.

~LAKSHITA XI-A

PHOTO OF THE MONTH



"SUCCESS IS NO ACCIDENT. IT IS HARD WORK, PERSEVERANCE, LEARNING, STUDYING, SACRIFICE AND MOST OF ALL, LOVE OF WHAT YOU ARE DOING OR LEARNING TO DO."
— PELÉ

SHOT BY SARTHAK JAIN XI-A