



INTEGRAL UNIVERSITY
LUCKNOW - INDIA

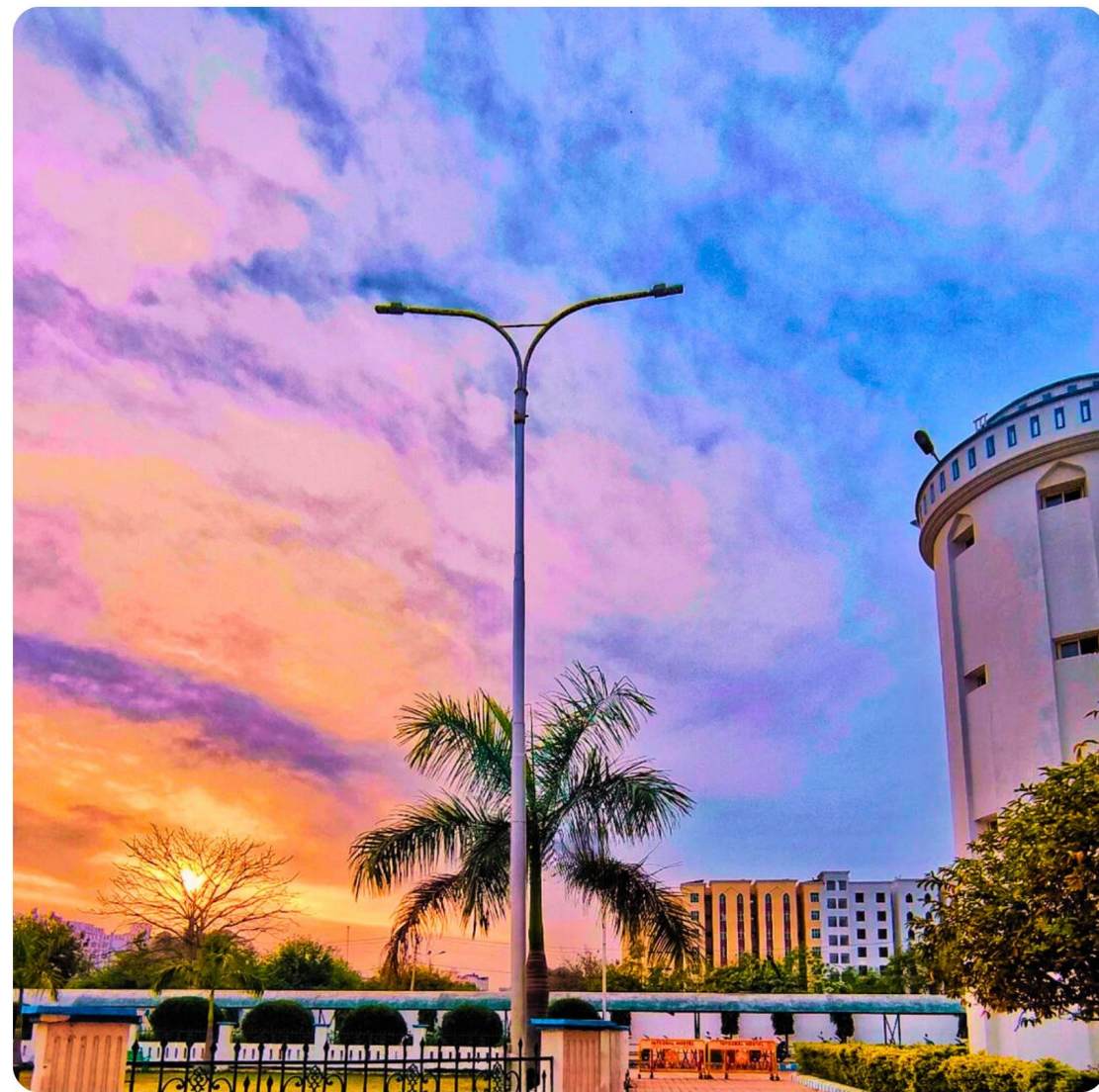


DEPARTMENT OF COMPUTER APPLICATION



March 2024

TECHNICAL COMMITTEE



INTEGRAL UNIVERSITY

Kursi Road, Lucknow-226026 Uttar Pradesh (India)

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1

Grok: Elon Musk's Engaging AI Chatbot

Elon Musk has expanded access to the AI chatbot Grok, previously exclusive to Premium+ subscribers on X, to all premium subscribers. This move aims to boost revenue and widen user engagement. Musk also made Grok open source, enhancing accessibility. The chatbot's rollout aligns with Musk's strategy to democratize AI technology

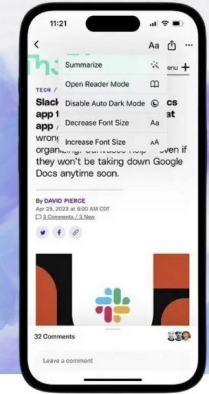


[https://techcrunch.com/2024/03/26/elon-musk-says-all-premium-subscribers-on-x-will-gain-access-to-ai-chatbot-grok-this-week/]

3

Artifact by Instagram Co-Founders: Personalized News App Goes Public with Enhanced Features

Instagram's co-founders, Kevin Systrom and Mike Krieger, have made their personalized news app, Artifact, available to the public without the need for sign-ups. This move follows an initial invite-only phase and introduces social elements for discussing news, enhanced personalization features, and the removal of entry barriers like phone number requirements. The app aims to revolutionize news consumption and engagement



[https://techcrunch.com/2024/03/26/instagram-co-founders-ai-powered-news-app-artifact-may-not-be-shutting-down-after-all/]

Devin AI: The Game-Changer in Software Development

2

Devin AI, the world's first AI software engineer, revolutionizes software development by autonomously handling entire projects, from coding to deployment. Developed by Cognition, Devin's advanced capabilities include understanding human emotions, suggesting code completions, and independently solving complex coding challenges. It acts as a collaborative tool, enhancing productivity and innovation in software engineering, marking a significant advancement in AI's role in the industry.



[https://daily.dev/blog/what-is-devin-the-ai-software-engineer-everyone-is-talking-about]

Revolutionizing Robotics: Nvidia's Project GROOT

4

Nvidia's 'Project GROOT' is a groundbreaking foundation model for humanoid robots, enabling learning in simulation and reality. It combines imitation learning and reinforcement learning through Nvidia Isaac Lab, leveraging GPU-accelerated simulations. This innovation allows robots to learn from minimal human interactions, generate movements from video data, and execute actions based on past experiences, marking a significant leap in robot learning capabilities.



[https://www.linkedin.com/pulse/nvidias-project-groot-future-robots-learning-simulation-vignesh-raj-m-snlck]

5

Unveiling NASA's EELS: The Quest for Life on Saturn's Moon

NASA's Exobiology Extant Life Surveyor (EELS), a snake-like robot, is engineered to explore Enceladus, Saturn's moon, in search of life. EELS, developed by NASA's Jet Propulsion Laboratory, boasts autonomous capabilities and versatility to navigate diverse terrains. With the potential to delve into Enceladus' ocean, EELS represents a groundbreaking step in extraterrestrial exploration



[https://techcrunch.com/2024/03/26/nasas-snake-robot-is-designed-to-search-out-life-in-the-icy-oceans-of-a-saturn-moon/]

8

Jensen Huang's Goal: Programming-Free Smart Computers

Nvidia's CEO, Jensen Huang, conceives a future where computers become smarter, eliminating the need for humans to learn programming. This shift aims to democratize technology, making it more accessible to everyone without the necessity of a computer science degree. The focus is on creating intuitive systems that understand human intentions and needs, revolutionizing the way people interact with technology. This approach signifies a significant shift towards empowering users with advanced technology capabilities without the traditional barriers of technical expertise.



[https://www.msn.com/en-in/money/news/nvidia-ceo-says-they-are-going-to-make-computers-smarter-so-that-humans-don-t-have-to-learn-programming/ar-BB1kkvJX?ocid=hpmnsn&cvid=4552e06f8e1b4c6b9a61952b49860521&ei=10]

Pioneering the Future: IITian's Autonomous Revolution in Bhopal

6



Sanjeev Sharma, an IITian, is at the forefront of AI and autonomous driving research, aiming to develop algorithms for off-road navigation at human-driven speeds. His work, including defense applications, has garnered recognition and significant investments. Sharma's innovative approach and dedication to advancing autonomous technology are reshaping the future of self-driving vehicles.

[https://www.businesstoday.in/technology/news/story/dressed-in-saree-meet-indias-first-ever-ai-teacher-robot-named-iris-420551-2024-03-07]

IRIS: Transforming Education with India's First AI Teacher Robot

9



India's first AI teacher robot, IRIS, is a groundbreaking innovation developed by Makerlabs Edutech. Clad in a saree, IRIS is a multilingual AI instructor designed to revolutionize education by offering personalized learning experiences, interactive learning, and answering academic inquiries. Powered by cutting-edge technology, IRIS aims to transform traditional teaching methods and foster STEM basics in high school students

[https://www.businesstoday.in/technology/news/story/dressed-in-saree-meet-indias-first-ever-ai-teacher-robot-named-iris-420551-2024-03-07]

7

Metyos: Revolutionizing CKD Care with Biowearable Sensor

Metyos, a pioneering company, is at the forefront of creating a cutting-edge biowearable designed specifically for monitoring chronic kidney disease (CKD). This groundbreaking technology is poised to revolutionize the management of CKD by providing continuous monitoring capabilities, which could significantly enhance patient outcomes and enable early detection of potential complications, marking a significant advancement in the field of kidney disease management.



[https://techcrunch.com/2024/03/26/metyos-pre-seed/]

10

Indian Startup Funding Slows to \$1.6B in Q1 2024, two Unicorns Emerge

In the first quarter of 2024, Indian startup funding totaled \$1.6 billion, marking a slowdown from previous quarters. Early-stage funding surged by 28%, contrasting a 46% drop in late-stage funding. The retail sector secured \$494 million, down 34%, while fintech and enterprise applications sectors saw growth, receiving \$429 million and \$448 million, respectively. Notably, two new unicorns, Perfios and Ola Krutrim, emerged during this period, showcasing the dynamic evolution of India's tech landscape.



[https://www.cnbctv18.com/startup/startup-funding-slumps-in-q1-2024-after-three-quarters-of-continuous-growth-tracxn-19363821.htm]

11 Facebook's Project Ghostbusters: Watching Competitors Through Your Phone

Facebook was reported to have engaged in snooping on users' activities on platforms like Snapchat, YouTube, and Amazon through a project named 'Project Ghostbusters'. This initiative involved intercepting and decrypting network traffic to analyze user behavior on competitor sites, aiming to gain a competitive advantage by understanding user interactions and in-app usage. Facebook wanted to see how people used these apps, causing worries about privacy and competition.



[<https://indianexpress.com/article/technology/tech-news-technology/facebook-project-ghostbusters-snapchat-youtube-amazon-snooping-9235479/>]

14 Intel Reveals Microsoft's AI PC Innovation with Copilot Key Requirement

Microsoft's new era of AI PCs will require a Copilot key, according to Intel. This key, integrated into Microsoft's latest Surface PCs, serves as a gateway to the Windows Copilot AI experience, enabling quick access to AI-powered features and enhancing user interactions with the system. Intel, along with other tech giants like Qualcomm and AMD, is emphasizing the concept of AI PCs, highlighting the integration of artificial intelligence into computing devices for enhanced productivity and user experiences.



[<https://www.theverge.com/2024/3/26/24112500/microsoft-ai-pc-intel-windows-copilot-key-requirements>]

Rabbit x ElevenLabs: Elevating User Experience with Voice Commands

12



Rabbit has collaborated with ElevenLabs to integrate voice command capabilities into its devices, enhancing user interactions with the pocket AI device. This partnership enables users to engage with the Rabbit r1 through voice commands, with ElevenLabs' technology providing a seamless and human-like experience. Initially available in English with one voice option, this feature is set to revolutionize human-device interaction, making the r1 a dynamic companion

[<https://techcrunch.com/2024/03/27/rabbit-partners-with-elevenlabs-to-power-voice-commands-on-its-device/>]

13 Zuckerberg's Meta Hunt: Poaching DeepMind Talent

Mark Zuckerberg is personally reaching out to engineers at Google DeepMind to recruit them for Meta, offering positions without interviews and higher salaries. This aggressive recruitment drive is part of Meta's strategy to position itself as a leading player in the AI industry, intensifying the competition for top AI talent

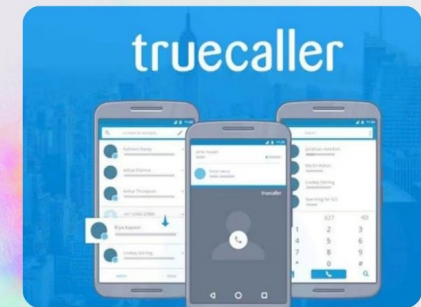


[<https://techcrunch.com/2024/03/27/amazon-dark-pattern-design-fine/>]

Truecaller's 'Max': AI-Powered Spam Blocker

15

Truecaller has introduced an AI-powered spam blocking feature called 'Max' for Premium subscribers on Android. This feature automatically blocks suspected spam calls, enhancing call screening efficiency. It leverages advanced AI algorithms to proactively block calls from unknown numbers or identified spammers, offering improved protection against unwanted calls



[<https://techcrunch.com/2024/03/27/unicorn-founders/>]

News of the Month

WWDC 2024 Apple's Annual Developer Conference

Technology major Apple has announced to host the annual World Wide Developers Conference (WWDC) in June

Apple's 2024 edition of WWDC is slated to kick off on June 10 and conclude on June 14. The four-day conclave will witness a keynote speech by CEO Tim Cook.



WWDC 2024: Here's what to expect at Apple's annual developer conference

Like the previous WWDC events, Apple will be offering a sneak peek at upcoming **iOS 18**, **iPadOS 18**, **macOS 15**, **watchOS 11**, **tvOS 18**, and **visionOS 2**.

the new **iOS 18** and **iPadOS 18** will come with new features – the biggest upgrades and changes for more than a decade.

Apple is planning to introduce **generative Artificial Intelligence (gen AI)**-related features to its devices.

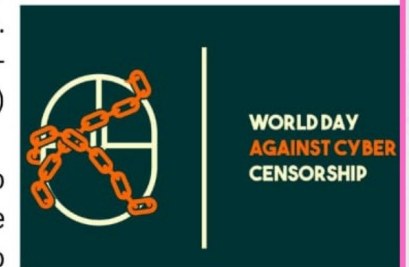


World Day Againsts Cyber Censorship

World Day Against Cyber Censorship aims to emphasise the importance of free expression on the internet and to protest cyber censorship.

Every year on March 12, people all over the world observe World Day Against Cyber-Censorship. Established in 2008 by the non-governmental organisation (NGO) Reporters

The primary goal of this day is to emphasise the importance of free expression on the internet and to protest cyber censorship.



HISTORY

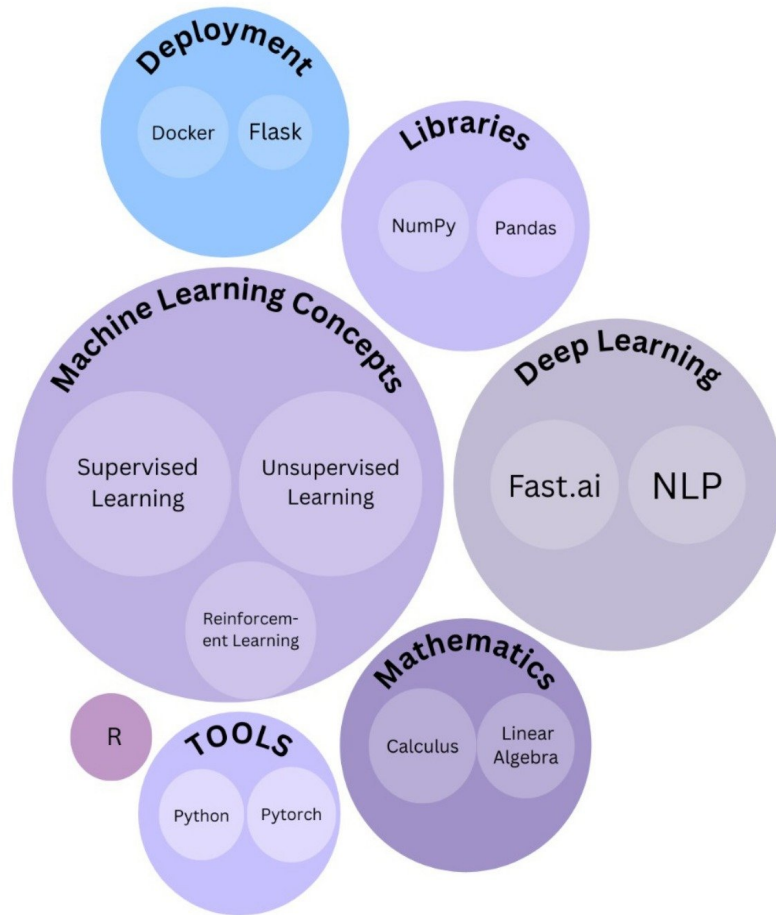
Amnesty International and Reporters Without Borders first observed this day in 2008. These organisations believe that everyone has the right to express their views on the Internet. Since then, It has been observed annually to raise awareness about repressive governments and their limitation of free speech on the internet

According to reports, there are a few countries that attempt to suppress free speech on the Internet via a variety of means, including strict defamation laws. It also entails blocking specific social media platforms or constructing a specialised firewall to prevent residents from accessing certain websites.

IS ARTIFICIAL INTELLIGENCE A NEW CULTURE?

Artificial intelligence isn't inherently a culture but can influence and shape cultures through its applications, impacts, and ethical considerations, contributing to the evolution of societal norms and practices. Artificial intelligence has become a cultural transformation in today's society due to its ability and efficiency to improve and advance what we humans perform on a daily basis.

The essence of an AI Culture lies in embedding these discussions into the fabric of daily interactions. It's about fostering an environment where AI isn't an isolated conversation limited to tech enthusiasts, but a collective dialogue embraced by all.



Shaping New Cultural Norms In Learning With AI

New Cultural Norms With AI-Driven Education

The integration of AI in education signals a cultural revolution, transforming teaching methods, student engagement, and learning experiences. It explores AI's influence on teaching roles and learning processes, shaping future paradigms.

AI As A Transformative Force In Educational Culture

AI transforms education, challenging traditional models with personalized, adaptive learning. It fosters student-centered approaches, enhances engagement, and frees educators for creative teaching, ultimately improving educational quality.

Revolutionizing Curriculum With AI-Enabled Approaches

AI integration in education requires rethinking content and methods, not just digitizing materials but strategically using AI tools like tutoring systems and VR for immersive learning. It includes teaching about AI, empowering students to engage critically and preparing them for future challenges.

Navigating The Complex Landscape Of AI-Enhanced Education

Integrating AI in education requires balancing traditional methods, addressing privacy concerns, and ensuring AI complements human interaction. Educators, technologists, and policymakers must collaborate to harness AI's potential while addressing associated risks and ethical concerns.

Ensuring Ethical And Inclusive Practices In AI-Driven Education

AI in education must prioritize fairness, accessibility, and inclusivity. Collaboration between educators and policymakers is vital to establish ethical guidelines, ensuring transparency, fairness, and respect for privacy while addressing diverse needs and learning styles.