



INTEGRAL UNIVERSITY

Kursi Road, Lucknow-226026 Uttar Pradesh (India)

www.iul.ac.in

Dr. Mohammad Faisal
(Mentor)

Gausiya Yasmeen
(Member, Technical Committee)

Arshlan Kaushar (M.C.A 1st year)
(Designer)

Adeeba Khatoon (M.C.A 2nd year)
(Editor)

Johnson Tirkey (M.C.A 2nd year)
(Designer)

Zarka Hasan (M.C.A 2nd year)
(Designer)



**INTEGRAL
UNIVERSITY**
LUCKNOW - INDIA



DEPARTMENT OF COMPUTER APPLICATION

TECHNICAL COMMITTEE

1

AI virtual sports anchors take the place of human anchors or not

The Paris Olympic Games are set to make history by introducing a groundbreaking innovation: AI virtual sports anchors. These advanced digital commentators will offer real-time insights, detailed analysis, and personalized content to enhance the viewing experience. With their ability to provide continuous global coverage and interactive features, AI sports anchors promise a new era in sports commentary. However, while they bring notable efficiency advantages, the unique charm and personal touch of human anchors remain challenging to replicate.



<https://northindiahelp.com/should-ai-virtual-sports-anchors-take-the-place-of-human-anchors/>

3

Google will not share your personal data with third parties' says Google's Android chief

When asked if AI should be open-source, Android official responded saying AI should be open-source and more helpful to the consumers. Google recently announced that Gemini will roll out for new Pixel 9 devices and others in the coming days. In an exclusive conversation with Business Today's Aayush Ailawadi, Sameer Samat, President of Android Ecosystem, Google also addressed the privacy concerns of users when it comes to the upcoming Gemini AI features.



<https://www.businesstoday.in/tech-today/explainers/story/exclusive-google-will-not-share-your-personal-data-with-third-parties-says-googles-android-chief-442154-2024-08-20>

OpenAI Enhances GPT-4 Model with New Advancements

2



OpenAI unveiled a prototype search engine, SearchGPT, designed to offer fast, relevant answers and integrate with ChatGPT. This development comes as Alphabet's shares fell over 3%, reflecting concerns that OpenAI might capture market share from Google. The new search tool aims to improve user experience with natural, conversational search methods. OpenAI also recently launched the GPT-4o mini model and hired new executives to strengthen its position in the generative AI market.

<https://openai.com/index/gpt-4o-fine-tuning/>

Gemini Chatbot Now Accessible on Gmail for Android Users

4



Gemini is poised to transform the Gmail experience for Android users by introducing its advanced chatbot as a personal assistant. This innovative feature will streamline task management and boost productivity within the Gmail app. Excitingly, this game-changing functionality is also on track to become available for iOS users soon, marking a significant enhancement to email interactions across both major platforms.

<https://www.indiatoday.in/technology/news/story/gemini-chatbot-is-now-available-on-gmail-for-android-users-2590516-2024-08-30>

5

WhatsApp to introduce 'Like' reactions for status updates, mirroring Instagram stories Meta-ow



Meta-owned WhatsApp is reportedly preparing to roll out a new feature that will enable users to "like" status updates. This upcoming addition, similar to Instagram's story reactions, aims to simplify the way users show appreciation and interact with the content shared by their contacts.

<https://www.hindustantimes.com/business/whatsapp-to-roll-out-like-reactions-for-status-updates-similar-to-instagram-stories-report-101723885273011.html>

8

AI Innovations Ready to Transform the Paris Olympic Games

AI is set to revolutionize the Paris Olympics, with Omega Timing spearheading advanced technologies for sports like swimming, diving, athletics, beach volleyball, and tennis. This integration will elevate broadcasting, enhance performance analysis, and provide viewers with a deeper, more accurate understanding of the athletes' performances. The Paris Olympics will redefine how we experience and engage with the Games, setting a new standard for sports broadcasting.



<https://www.codiste.com/ai-in-olympics>

Big Tech Layoffs Persist as Apple and Microsoft Cut Hundreds of Jobs

6

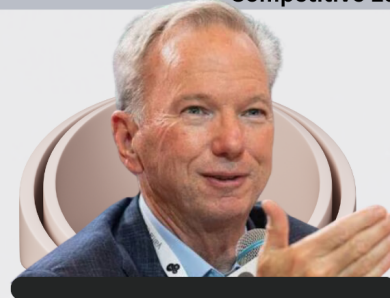
In 2024, the trend of widespread layoffs in the tech industry persists, with major players like Apple, Microsoft, and Google implementing significant job cuts. These layoffs, driven by a combination of cost-cutting measures, a strategic shift towards AI development, and necessary adjustments in the wake of the post-pandemic market landscape, have resulted in the loss of over 136,000 tech jobs as of August. The ongoing reductions underscore broader industry transformations and reflect the evolving economic pressures facing these leading technology companies.



<https://www.indiatoday.in/technology/news/story/tech-layoffs-continue-big-tech-companies-like-apple-microsoft-fired-hundreds-of-employees-in-august-2590711-2024-08-30>

Ex-Google CEO Eric Schmidt Says Remote Work Impacted Company's Competitive Edge Against OpenAI

9



Eric Schmidt, ex-Google CEO, suggested that Google's focus on remote work might have delayed its adoption of ChatGPT and AI. He criticized the company's work-life balance priorities, saying they hindered competitiveness, especially against startups.

<https://www.businesstoday.in/technology/news/story/ex-google-ceo-thinks-companys-work-life-balance-mentality-is-why-it-is-losing-ai-race-to-startups-like-openai-441535-2024-08-14>

7

Google Meet's 'Take Notes For Me' Feature Is a Must-Have for Everyone



Google's new 'Take Notes for Me' feature utilizes AI to automatically record important details from your meetings. This innovation lets you stay fully engaged in discussions without worrying about missing key points, transforming how you manage meeting notes and ensuring you never overlook crucial information.

<https://www.news18.com/tech/google-meet-take-notes-for-me-is-a-feature-that-all-of-us-have-needed-9033142.html>

10

WhatsApp Poised to Roll Out Contact Syncing Feature for Android Users

WhatsApp is working on a new feature that will enable contact syncing across multiple accounts. This functionality will allow users to manage syncing settings for each account individually, facilitating a clearer separation between work and personal contacts. The feature will include options for manual synchronization and will ensure secure backup and restoration of synced contacts.



<https://www.indiatoday.in/technology/news/story/whatsapp-may-soon-introduce-contact-syncing-feature-for-android-users-know-what-it-is-and-how-it-works-2590808-2024-08-30>

11

India's AI Market Expanding Rapidly; Demand for AI Experts Expected to Surge to 1.25 Million by 2027

India's AI market is experiencing explosive growth, expanding at an impressive rate of 35%. A report by Deloitte India, in collaboration with NASSCOM, reveals that the demand for AI professionals in India is projected to soar from 650,000 to 1.25 million by 2027. With this growth trajectory, India is poised to emerge as a global AI powerhouse by 2030, positioning itself at the forefront of the international AI landscape.



<https://www.tv9hindi.com/business/spending-on-ai-in-india-is-expected-to-triple-to-five-billion-dollars-by-2027-2609515.html>

14

eRupee CBDC Hits 5 Million Users in Retail Pilot, RBI Governor Announces Enhanced Programmability

(CBDC), is advancing through trials with 16 national banks, and has now garnered five million users in its pilot phase, according to RBI Governor Shaktikanta Das. Speaking at a conference in Bengaluru, Das emphasized that the RBI is not rushing the deployment of the CBDC and aims to proceed only after thorough evaluation.

Launched in December 2022, the retail pilot of the eRupee focuses on facilitating peer-to-peer transactions. Currently, it is being tested for offline capabilities and programmability. Das highlighted that the programmability of the eRupee could significantly enhance financial inclusion in India, positioning it as a pivotal tool for broader financial access.



<https://www.gadgets360.com/cryptocurrency/news/erupe-cbdc-5-million-users-in-retail-pilot-set-for-more-programmability-rbi-governor-shaktikanta-das-6422973>

Jio to Provide 100GB of Cloud Storage to Users

12



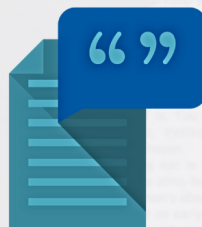
In a major announcement, Jio will provide users with 100GB of free cloud storage starting this Diwali. This generous offer will allow users to store data for Jio Phonecall AI and more. Plus, users will have the opportunity to upgrade to larger storage plans at competitive rates.

<https://www.indiatoday.in/technology/news/story/jio-will-be-offering-100gb-cloud-storage-to-users-here-is-how-you-can-claim-it-2590622-2024-08-30>

13

AI Overviews on Google Search Debut in India with Hindi Support and Text-to-Speech Feature

Following a rocky start in the US in May 2024, Google's AI Overviews are now set to launch in India as of August 15. This feature, which provides AI-generated summaries on Google Search, will also be introduced in the United Kingdom, Japan, Indonesia, Mexico, and Brazil. Users in these countries will receive simplified, AI-generated answers to their queries, along with links for more detailed information. In India, AI Overviews will include local language support, allowing users to switch between search results in English or Hindi with a new toggle button.



<https://www.indiatoday.in/technology/news/story/google-ai-overviews-is-now-in-india-with-country-focused-features-here-is-what-is-new-2582945-2024-08-16>

15

Indian astronaut may travel to the International Space Station by next year, says Jitendra Singh.

Group Captains Shubhanshu Shukla and Prashanth Balakrishnan Nair are training in the US for the Axiom Space Ax-4 mission, with Shukla assigned to fly and Nair as the backup. Science Minister Jitendra Singh announced that an Indian astronaut is expected to reach the ISS by April next year as part of the NASA-ISRO collaboration. This announcement coincides with the first National Space Day, celebrating India's space achievements and the Chandrayaan-3 mission.



<https://indianexpress.com/article/india/indian-astronaut-fly-international-space-station-next-year-9525660/>

NEWS OF THE MONTH

AI Infrastructure announced in Reliance AGM

At the 47th annual general meeting (AGM) of Reliance Industries, Mukesh Ambani outlined the company's plans to evolve into a technology leader. The announcements covered advancements in artificial intelligence, cloud computing, and digital streaming. Here is a summary of the key developments revealed at the AGM 2024.

What is Jio Brain and how it will help Jio users

JioBrain integrates 5G's high speed, low latency, and massive connectivity with advanced machine learning capabilities such as anomaly detection, predictive forecasting and automation. The platform can train and apply ML models at the network edge and in the service provider cloud.



Jio Brain is a suite of AI-powered tools and platforms designed to enhance AI adoption within the company. These tools aim to improve decision-making, increase prediction accuracy, and deepen understanding of customer needs. Jio plans to develop an AI service platform that will be available for other enterprises as the capabilities of Jio Brain advance.

~ Vansh R. Singh BCA 2nd yr

<https://www.kdnuggets.com/7-ai-portfolio-projects-to-boost-the-resume>

AI Robotics is ready to maintain Friendship and Increase Income

The intersection of Artificial Intelligence (AI) and robotics is growing rapidly. Recently, Figure 02 robot was launched, which can wear whatever you want and get whatever you want done. After that Google's AI robot defeated people in tennis. From Apple to social media platform 'X', people are struggling in this area, so there is definitely something going on. Let's see the condition of AI robotics-



'OPTIMUS'

Efficient in work, autonomous by character.
May come in the market by 2025.
Manufacturing and domestic work



138.09B\$

Industry Humanoid Robot till 2033

Figure 02 Robot is Industry ready
Pace of investment in AI and robotics is accelerated.
Has Major role of Sensors and algorithms.

Figure 02

is ready for voice commands

AI model training is core to the intelligence and capabilities of the robot. The relationship between Figure and OpenAI has enabled the company to quickly test, validate, and iterate on the speech-to-speech capabilities of the robot.

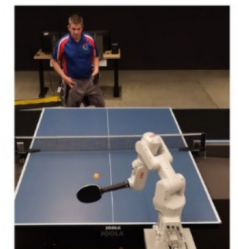


IPAD Robot Arm

Attached a large screen Ipad to a robotic arm.
HomePod is an entertainment video conferencing, safety device.
Expected to launch around 2026 or 2027

GOOGLE DEEPMIND

DeepMind's AI robot beats humans in table tennis.
Synchronization happens by learning fast.
Robots are useful in fields other than sports as well.



~ Vansh R. Singh BCA 2nd yr

<https://www.kdnuggets.com/7-ai-portfolio-projects-to-boost-the-resume>

THE IMPACT OF AI ON THE TECH INDUSTRY

CODE-ASSISTANTS



AI algorithms analyze large amounts of data to generate actionable business insights, helping organizations achieve efficiencies through automation and much more.

CYBER-SECURITY

Cybersecurity presents numerous challenges including the presence of a large number of vulnerable systems or devices per organization, diverse attack vectors, a shortage of cyber-skilled professionals, and an overwhelming amount of data. A self-learning, AI-based cybersecurity system could tackle these challenges by continuously gathering and analyzing data from enterprise systems, providing intelligence across areas such as IT asset inventory, threat exposure, control effectiveness, breach risk prediction, fast incident response, and explainability of the model.



AI-POWERED CHATBOTS



Be it the code-assistants or the use of AI techniques for cybersecurity, these are closer to the enterprises and are not often evident to their customers. So, let's shift focus to one of the most pervasive uses of AI in enriching the customer experience through generative AI-powered smart assistants.

~ Vansh R. Singh BCA 2nd yr

<https://www.kdnuggets.com/7-ai-portfolio-projects-to-boost-the-resume>

TRADITIONAL VS GEN-AI ASSISTANTS



However, such traditional virtual assistants have been around for some time. So, where do generative-AI-based smart assistants uplift the whole experience? Well, their ability to converse in human-like language allows them to understand the context very well.

WORLD OF PERSONALIZATION AND OPPORTUNITIES

And yes, the future is all about personalization. It spares the cognitive overload on behalf of the users to apply their custom layer that could cater to their needs. That's a big driver of using AI in that it speaks directly to the specific user and adapts to their characteristics. While the benefits are many, right from predicting customer behavior, recommendations, content creation, and report generation to infusing AI into existing tech products to streamline user workflows and processes, there is another side to this shiny story of AI advancements.



THE OTHER SIDE: WORKFORCE DISRUPTION



The rapid integration of AI into business processes has raised concerns about job displacements. The use of AI in automating the repetitive and routine tasks traditionally performed by humans, has led to the displacement of jobs in industries such as manufacturing, retail, customer service, and administrative roles.

~ Vansh R. Singh BCA 2nd yr

<https://www.kdnuggets.com/7-ai-portfolio-projects-to-boost-the-resume>