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TECH-VERSE



AI DYNAMICS



CYBER SPACE



THE COSMOS



BOUNDLESS CREATION

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recession

We've all been through COVID-19, when major corporations laid off employees and working from home became the new norm. Every day in the newspaper, we would read of thousands of people who died in COVID and hundreds who were fired from their jobs. But as we always do, after all the losses, we bounce back. Offices opened once again, with many still in the process of opening. As the majority of businesses and the economy moved to online platforms and the internet, there was a significant demand for Computer Technology majors.

Companies recruited hoards of engineers and other occupations; careers were brought to the spotlight, opening new paths for us students to pick from. But as the world proceeded to accept the new norms, a tsunami became gradually visible. It was the great recession that has hit us, slowly, since 2022.

TECH-VERSE

Many factors, including the Covid Pandemic, the Ukraine-Russia war, and inflation, have all contributed to a decline in the growth and value of major-minor corporations. Experts have predicted this will affect India's IT sector on a large scale and will affect foreign investors and the Indian economy as well. While the recession is depressing news, India still hosts 80,152 startups, and it can be clearly seen that they are the most vulnerable to this economic downturn. How many of these boats will be able to survive this high tide?

Written by-
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ChatGPT and Bard:

"A Tale of Two AI Chatbots with Different Data Sources"



AI DYNAMICS

ChatGPT is a chatbot that generates pre-trained results.

This powerful AI bot holds the capability of understanding human speech and producing in-depth writing, that is easily understood by humans.

It is developed by OpenAI and backed by Microsoft Corp. Similar to ChatGPT, another tech giant, Google, has created its own AI chat service named Bard, which is yet to be unveiled to the public. Bard, unlike ChatGPT, has started off on the wrong foot.

Microsoft is planning to embed the AI-powered search results into its browsers with the addition of a chat experience. The goal is to provide more relevant information from the internet to its users. However, Google has not announced its proposal to add AI functionalities to its search engine. Apart from the fact that they are owned by different people, these two chatbots are intended to perform similar functions, striking differences in their data sources.

When a neural network is trained using massive datasets of information from all over the Internet, it leads to ChatGPT. However, ChatGPT is not equipped with the technology to update itself, hence it is restricted to newer research.

On the other hand, Bard can continually draw information from the internet and holds the power to generate the latest and real-time answers with the similarities and differences in aspects of their functionalities, services, goals, and owners.

These newly made products show tremendous advancement in the fields of AI and NLP. According to rumors, these AI bots will rapidly change the world, and the changes will be replicated industrial revolution, only exponentially.

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"US Special Operations Command's Email Security Breach"

Unsecured Server Exposed to Public Access

CYBER SPACE

Security researcher Anurag Sen discovered that the mail servers of the United States Special Operations Command (USSOCOM) were unprotected and accessible to anyone with an IP address. This server was hosted on Microsoft's Azure cloud service for government users and contained over 3 terabytes of email. USSOCOM is a branch of the United States Armed Forces that specializes in conducting special operations. Sen reported his findings to TechCrunch, which notified the US government of the disclosed data. The server was configured correctly, but anyone who browsed before the fix was able to access sensitive information.

The server was configured correctly, but anyone who browsed before the fix was able to access sensitive information. According to TechCrunch's Zack Whittaker: The server was stuffed with military internal email messages dating back many years, some of which contained sensitive personal information. One of the disclosed files contained an SF-86 questionnaire. It is filled out by federal personnel seeking security clearance and contains highly sensitive personal and health information to screen individuals before releasing them for processing sensitive information. These personnel questionnaires contain a large amount of background information about security clearance holders that is of value to foreign adversaries. Misconfigurations of public servers like this are very common these days as more and more companies and organizations move to the cloud.

Written by-
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The Electrifying Effects of Dust Storms on Mars

How Static Electricity Shapes the Red Planet's Surface

Dust storms on Mars generate static electricity. What does it do to its surface?

Dust storms are a serious hazard on Mars. While smaller storms and dust devils happen regularly, larger ones happen every year (during summer in the southern hemisphere) and can cover continent-sized areas for weeks. Once every three Martian years (about five and a half Earth years), the storms can become large enough to encompass the entire planet and last up to two months. These storms play a major role in the dynamic processes that shape the surface of Mars and are sometimes visible from Earth.

When Martian storms become particularly strong, the friction between dust grains causes them to become electrified, transferring positive and negative charges through static electricity. According to research led by planetary scientist Alian Wang at Washington University in St. Louis, this electrical force could be the major driving force of the Martian chlorine cycle. Based on their analysis, Wang and her colleagues believe this process could account for the abundant perchlorates and other chemicals that robotic missions have detected in Martian soil.

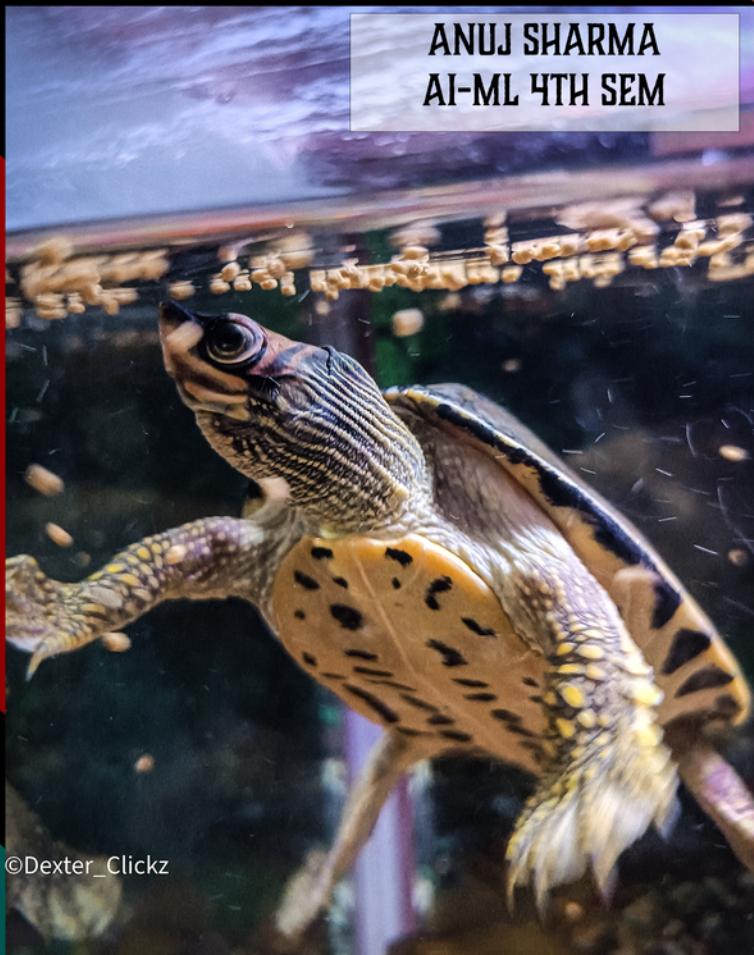
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पथरीले हों जब रस्ते ये
और डगमग उगमग पैर हिले
हो आफत तरुवर सी खड़ी
हृदय विचलित जब हो धड़के
भय की गोद में जाकर बैठ
उस पल तुम रुक जाना मत
मैं हूँ साथी साथ तुम्हारे
तुम बिल्कुल घबराना मत

लोगो की कंटीली बातें
पावन मन को छेड़ेंगी
उड़कर एक दिन नभचर पाखी
नाता तुमसे तोड़ेंगी
विपदा और इस विरह व्यथा में
अश्रु बन बहु जाना मत
मैं हूँ साथ साथ तुम्हारे
तुम बिल्कुल घबराना मत

पल दो पल का जीवन है
आधा जीवन दुखमय है
करुणा की इस नदिया में
बस स्नेह का आश्रय है
अपनी मुस्कान को खोकर तुम
खुदसे बैर निभाना मत
मैं हूँ साथी साथ तुम्हारे
तुम बिल्कुल घबराना मत

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