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TELECOM & INFORMATION TECHNOLOGY

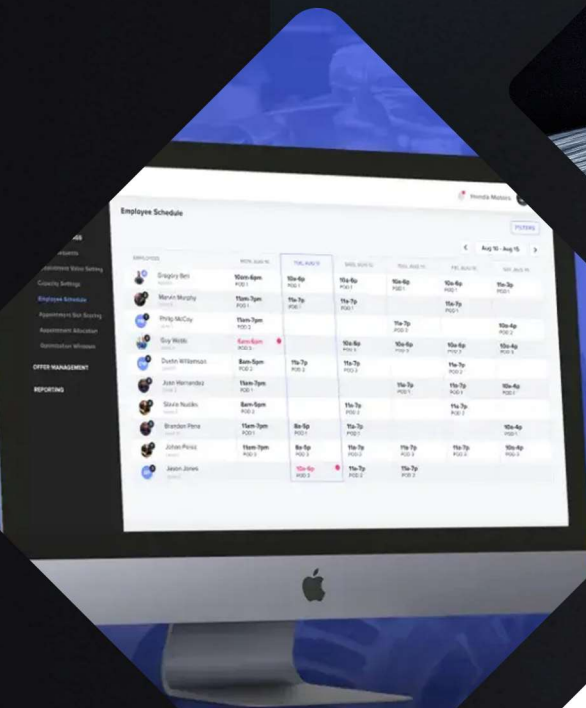
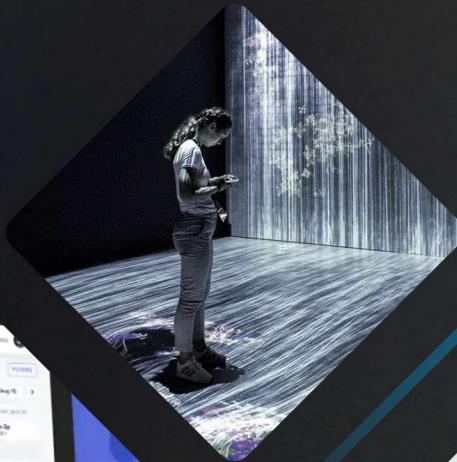
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TECHNOLOGY GUIDE

Technology is a word that describes something that doesn't work yet.



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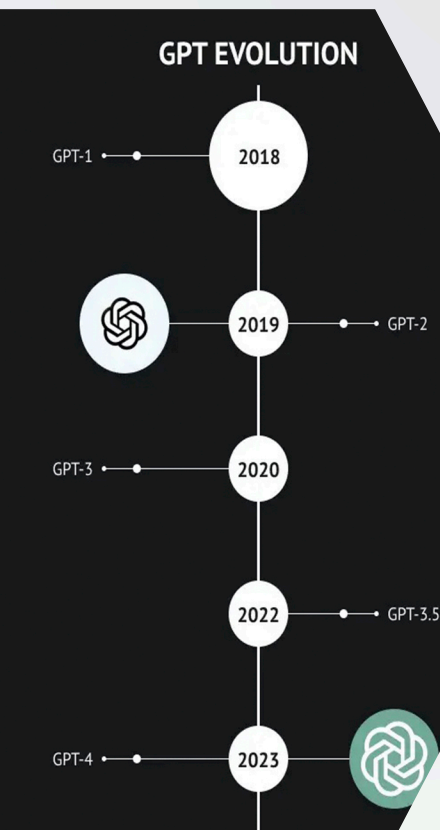


NEW TECHNOLOGIES IN AI

GPT-3.5/GPT-4

It is not a secret that GPT has become one of the most discussed breakthroughs among the latest AI technologies. But do you know the history of such a sensational technology? We will tell everything from the very beginning.

All the history takes its beginning with early examples like ELIZA in the 1960s and ALICE in the 1990s. These early chatbots used rule-based approaches and were limited in their ability to engage in meaningful conversations. In the 2010s, the world saw the emergence of AI-driven chatbots that incorporated machine learning and NLP techniques. Platforms like Facebook Messenger and Slack have popularized chatbots for business and consumer use



The breakthrough came with the development of deep learning models like GPT. GPT-1, introduced by OpenAI in 2018, marked a significant leap in chatbot capabilities. It could generate contextually relevant text, even though it had limitations. GPT-2, released in 2019, was known for its ability to generate human-like text on a larger scale. However, its release was initially controversial due to concerns about potential misuse. GPT-3, released in 2020, further improved upon its predecessors and gained widespread attention for its natural language understanding and generation capabilities



ELIZA
In the 1960s



ALICE
In the 1990s

NEW TECHNOLOGIES IN AI

GPT-3.5, the predecessor of **GPT-4**, boasted a staggering 175 billion parameters. To put this in perspective, it's more than 10 times the size of its predecessor, **GPT-2**, which had 1.5 billion parameters. **GPT-3.5** demonstrated a remarkable ability to understand and generate human-like text. It could write essays, answer questions, and even create poetry. In fact, it was often challenging to distinguish its outputs from those of a human writer.

GPT-3.5 was harnessed by numerous businesses to automate content creation. In one instance, a media company used it to generate thousands of articles daily, drastically reducing the need for human writers.

GPT-4, the next evolution, boasts an even more astonishing parameter count, rumored to exceed 200 billion. This leap in scale promises unprecedented language understanding and generation capabilities. Businesses across various sectors are exploring the potential of **GPT-4**. Content generation, customer support, and virtual assistants are areas where **GPT-4**'s capabilities are expected to shine.

GPT-3.5 and **GPT-4** are just the beginning. The pace of AI model development suggests that even more capable language models are on the horizon, with implications for industries ranging from content creation to virtual assistants.

NEW TECHNOLOGIES IN AI

AI: BIOMETRICS

Fingerprint recognition is one of the most widely used biometric methods. It's employed in various sectors, from smartphone unlocking to border control. The Future Market Insights report states that the fingerprint sensor market consists of 15% of the global biometric system market.

At the same time, facial recognition latest AI technology has become highly accurate, with deep learning models achieving near-human performance. It is used in applications like access control, surveillance, and user authentication. Moreover, new technologies in AI are used in order to prevent fraud and gain traction in authentication. Behavioral biometrics like keystroke dynamics and voice recognition can analyze unique patterns in user behavior and increase the security level. In addition, biometrics, particularly fingerprint and facial recognition, are used in secure payment and financial transactions. They provide a convenient and secure alternative to traditional authentication methods

The future of biometrics promises to implement new technologies in AI, such as gait recognition, DNA-based biometrics, and brainwave authentication. These innovations will continue to change our reality, determining how we verify identity and interact with technology.



TECHNOLOGY

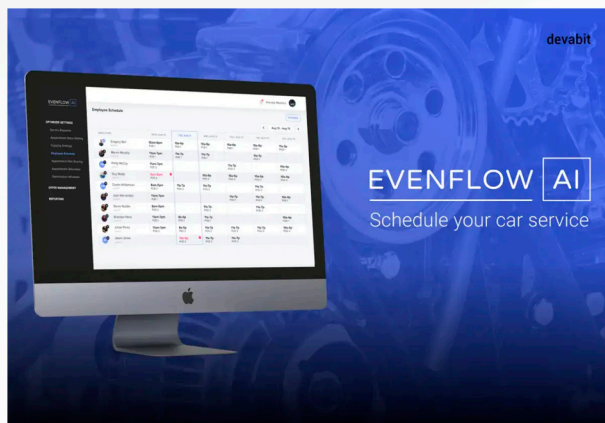
NEW TECHNOLOGIES IN AI

EVENFLOW AI

EvenFlow AI utilizes a latest AI technology, drawing inspiration from revenue management strategies employed in the airline industry. It optimizes the scheduling of maintenance and repair appointments for BMW, Honda, and Ford cars. The platform employs dynamic pricing, a common practice in AI for business applications. By organizing service requests to maximize profit, it reflects the trend of predictive AI analytics used to optimize pricing margins and maximize revenue.

EvenFlow AI prioritizes user convenience, allowing car owners to book appointments at less popular, off-peak times while still gaining incentives. By implementing this feature, businesses enhance the customer experience and simplify the working conditions for personnel. The platform's real-time capacity management is crucial for ensuring efficient use of resources, akin to how AI systems optimize supply chain management in various industries.

In summary, EvenFlow AI clearly demonstrates the integration of AI technologies into a traditional industry to enhance the user experience and boost efficiency. As you can notice, it closely aligns with the key trends discussed earlier and showcases how AI is reshaping businesses and industries across various sectors.



TECHNOLOGY

CYBER-ATTACK

DEEPSEEK HIT WITH 'LARGE-SCALE' CYBER-ATTACK AFTER AI CHATBOT TOPS APP STORES

DeepSeek said its newly popular app was hit with a cyber-attack on Monday, which forced the Chinese company to temporarily limit registrations. The attack came after the DeepSeek AI assistant app soared to the top of Apple's App Store, becoming the highest rated free app in the US, and climbed high in Google's Play Store.

On its status page, DeepSeek said it started to investigate the issue late Monday night Beijing time. After about two hours of monitoring, the company said it was the victim of a "large-scale malicious attack". While DeepSeek limited registrations, existing users were still able to log on as usual. The app is now allowing registrations again.

DeepSeek's app is an AI assistant similar to OpenAI's ChatGPT chatbot. The news of the app's ascendency in the US and ability to edge out American rivals for a fraction of the cost sent technology stocks tumbling on Monday. Nvidia, the AI chip maker and most valuable US company, saw its stocks plummet by 13.6% in early trading, wiping out



CYBER-ATTACK

LAZARUS GROUP USES REACT-BASED ADMIN PANEL TO CONTROL GLOBAL CYBER ATTACKS

The North Korean threat actor known as the Lazarus Group has been observed leveraging a "web-based administrative platform" to oversee its command-and-control (C2) infrastructure, giving the adversary the ability to centrally supervise all aspects of their campaigns.

"Each C2 server hosted a web-based administrative platform, built with a React application and a Node.js API," SecurityScorecard's STRIKE team said in a new report shared with The Hacker News. "This administrative layer was consistent across all the C2 servers analyzed, even as the attackers varied their payloads and obfuscation techniques to evade detection."

The hidden framework has been described as a comprehensive system and a hub that allows attackers to organize and manage exfiltrated data, maintain oversight of their compromised hosts, and handle payload delivery.

The web-based admin panel has been identified in connection with a supply chain attack campaign dubbed Operation Phantom Circuit targeting the cryptocurrency sector and developers worldwide with trojanized versions of legitimate software packages that contain backdoors.

The campaign, which took place between September 2024 and January 2025, is estimated to have claimed 233 victims across the world, with most of them identified in Brazil, France, and India. In January alone, the activity targeted 110 unique victims in India.



CYBER-ATTACK

INTRODUCING GHOSTGPT—THE NEW CYBERCRIME AI USED BY HACKERS

The security threat driven by advances in AI is hardly new news: be it billions of Gmail users, bank customers, or attacks against individuals by way of smartphone calls and messages that even the FBI has been concerned enough about to issue a warning, AI is a real and present danger when employed by bad faith actors. Unfortunately, it would appear that one AI-powered chatbot is marketed to and used by just such cybercriminals and hackers, according to a new report. Here's what you need to know about GhostGPT.

Cybercriminals are using GhostGPT, a newly discovered and completely uncensored AI chatbot, for malware creation, phishing scams and more, according to a Jan. 23 report published by researchers from Abnormal security.

Unlike traditional AI models that are constrained by guidelines to ensure safe and responsible interactions, uncensored AI chatbots operate without such guardrails, raising serious concerns about their potential misuse. Most recently, Abnormal Security researchers uncovered GhostGPT, a new uncensored chatbot that further pushes the boundaries of ethical AI use.

