Daily Technology Report

Today's Technology Trends

November 11, 2026 (Wednesday)

A Few Sips

Today, the practical success of artificial intelligence systems in archaeological discoveries and their pursuit of physical commonsense in video generation are coming to the fore. The discovery of a Mayan pyramid by Google engineers using NASA data concretely proves the capacity of autonomous agents to analyze complex datasets.

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25 highlights · ~7 min read

10 GitHub Trending	**5** Hacker News	**5** Hugging Face · Daily Models	**5** Hugging Face · Daily Papers

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The summaries and translations in this report are prepared with AI. Before making important decisions, please check the source through the link provided with each item.

GitHub Trending

10 highlights

01 meta/astryx

astryx, shared by Meta, is a fully customizable open-source design system designed for both humans and the AI agents working alongside them. Developed with TypeScript, this system aims to adapt to modern software production processes.

TypeScript · ★ 24,533 · +2,842 today https://github.com/meta/astryx Report an error

02 ZhuLinsen/daily_stock_analysis

ZhuLinsen/daily_stock_analysis is a system that performs stock analysis across multiple markets using large language models (LLMs). The software processes data from various sources and real-time news to provide a decision support dashboard and send automated notifications.

Python · ★ 69,997 · +429 today https://github.com/ZhuLinsen/daily_stock_analysis Report an error

03 GoogleChrome/modern-web-guidance-src

GoogleChrome/modern-web-guidance-src is a resource repository containing the code and documentation necessary for creating, calibrating, and evaluating modern web development guides. Developed in TypeScript, this project enables the management of guidance content for web standards.

TypeScript · ★ 1,570 · +133 today https://github.com/GoogleChrome/modern-web-guidance-src Report an error

04 shadcn/improve

shadcn/improve is an agent capability that examines a codebase and creates work plans that can be implemented by lower-cost AI models. Aiming to optimize developers' code review and implementation planning processes, this tool targets planning complex tasks with capable models and executing them with more economical ones.

★ 10,615 · +333 today https://github.com/shadcn/improve Report an error

05 addyosmani/agent-skills

Developed by Addy Osmani, agent-skills offers production-ready engineering skills for AI agents that write code. Prepared in JavaScript, this project aims to help agents perform tasks in software development processes in a more standard and reliable manner.

JavaScript · ★ 115,711 · +788 today https://github.com/addyosmani/agent-skills Report an error

06 vercel-labs/agent-browser

agent-browser, developed by Vercel Labs, is a command-line interface (CLI) that provides browser automation for AI agents. This tool makes it possible to read web pages as an accessibility tree and interact with them via the command line.

Rust · ★ 49,717 · +712 today https://github.com/vercel-labs/agent-browser Report an error

07 we-promise/sure

Developed in Ruby, sure is a personal finance and wealth management application open for everyone to use. The project, which includes a feature that allows users to connect with financial advisors (CFP/CFA), is based on the past work of the Maybe Finance team.

Ruby · ★ 12,696 · +1,079 today https://github.com/we-promise/sure Report an error

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08 homeassistant-ai/ha-mcp

ha-mcp allows you to configure and automate the smart home platform Home Assistant with AI assistants like Claude and ChatGPT. Integrated via HACS, this tool works with full feature support across all Home Assistant installation types.

Python · ★ 7,115 · +640 today https://github.com/homeassistant-ai/ha-mcp Report an error

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09 openai/codex-security

Developed by OpenAI, codex-security offers a command-line interface (CLI) and a software development kit (SDK) designed to find, verify, and remediate security vulnerabilities. Written in TypeScript, this tool aims to automate the process of detecting security weaknesses in software projects.

TypeScript · ★ 11,537 · +20 today https://github.com/openai/codex-security Report an error

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10 TheAlgorithms/Java

TheAlgorithms/Java offers an open-source collection of various algorithms written in the Java programming language. Users can run, edit, or contribute to these algorithms directly via the cloud-based development environment Gitpod.io.

Java · ★ 66,929 · +108 today https://github.com/TheAlgorithms/Java Report an error

Hacker News

5 highlights

01 Google SWE points 48 AI agents at NASA Lidar, finds unmapped Maya pyramid in 72h

A software engineer working at Google used 48 AI agents to analyze NASA's lidar (laser scanning) data. This system detected an unmapped Mayan pyramid beneath the forest canopy in less than 72 hours.

679 points · 257 comments https://pietromiotti.com/latest/maya-site/?maya Report an error

Discussion: news.ycombinator.com/item?id=50452455 (679 points · 257 comments)

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02 Scion is back and is going to sell a kei truck in America

Toyota's automotive brand Scion has announced its return, stating that it will sell small-sized commercial vehicles such as kei trucks, bicycles, and side-by-side hybrid off-road vehicles in the American market. In its new era, the brand aims to operate with an unconventional product range.

538 points · 371 comments https://www.theautopian.com/scion-is-back-and-its-going-to-sell-a-freaking-kei-truck-in-america/ Report an error

Discussion: news.ycombinator.com/item?id=50445401 (538 points · 371 comments)

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03 Apple has new Mac app coming to make running local AI models easy

Apple is working on a new Mac application that makes it easier to run local artificial intelligence models. According to leaked information, the company aims to simplify the process for users to run models on their own devices.

443 points · 460 comments https://9to5mac.com/2026/11/10/apple-has-new-mac-app-coming-to-make-running-local-ai-models-easy/ Report an error

Discussion: news.ycombinator.com/item?id=50446520 (443 points · 460 comments)

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04 Protecting SSH Keys with macOS Secure Enclave

macOS Secure Enclave provides a security layer that protects SSH keys at the hardware level, requiring Touch ID authentication for every use. This method allows SSH keys to be stored using the system's own security architecture without the need for third-party applications.

346 points · 122 comments https://gatezh.com/posts/macos-secure-enclave-ssh-keys/ Report an error

Discussion: news.ycombinator.com/item?id=50449748 (346 points · 122 comments)

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05 Six Math Essentials

Six Math Essentials, prepared by mathematician Terence Tao, defines six main areas considered fundamental for advanced mathematical studies. This resource summarizes the theoretical infrastructure necessary for those who want to delve deeper into academic disciplines.

317 points · 58 comments https://teorth.github.io/tao-web/six-math-essentials.html Report an error

Discussion: news.ycombinator.com/item?id=50446246 (317 points · 58 comments)

Hugging Face · Daily Models

5 highlights

01 xtools-at/DeepSeek-V4-Pro-Qwen3.5-9B-UNCENSORED-heretic

xtools-at/DeepSeek-V4-Pro-Qwen3.5-9B-UNCENSORED-heretic is an artificial intelligence model focused on text generation. Exhibiting a high success rate in GSM8K tests, the model aims to approach the performance of larger models with its 9-billion parameter structure.

♥ 1,911 · 16,693 downloads https://huggingface.co/xtools-at/DeepSeek-V4-Pro-Qwen3.5-9B-UNCENSORED-heretic Report an error

02 speridlabs/idol

speridlabs/idol is an artificial intelligence tool that creates 3D Gaussian splat models from a single image. By cleaning the background and framing the object, this model produces output in the standard .ply format and runs in under two seconds on consumer-grade graphics cards.

♥ 1,953 · 28,250 downloads https://huggingface.co/speridlabs/idol Report an error

03 MiniMaxAI/MiniMax-H3-Image

Developed by MiniMaxAI, MiniMax-H3-Image is an artificial intelligence model with text-to-image conversion capabilities. The software is offered with application programming interfaces (APIs) that support image editing and prompt expansion functions.

♥ 646 · 142,989 downloads https://huggingface.co/MiniMaxAI/MiniMax-H3-Image Report an error

04 moonshotai/Kimi-K3.1-Pro

Developed by Moonshot AI, Kimi-K3.1-Pro is a multimodal artificial intelligence model capable of processing visual and textual data. Trained on top of the Kimi K3 model using large-scale reinforcement learning methods, this model is presented as the first and most capable version of the K3.1 series.

♥ 1,910 · 33,617 downloads https://huggingface.co/moonshotai/Kimi-K3.1-Pro Report an error

05 ricursiveAI/Ripple-65B-Preview

Developed by Ricursive Intelligence, Ripple-65B-Preview is a dense Transformer model trained with 12 trillion tokens and supporting a context window of up to 1 million tokens. Scoring 80.52 on TerminalBench 2.1 and demonstrating high performance in coding tasks, this model offers an alternative to larger-scale open-weight models.

♥ 505 · 7,112 downloads https://huggingface.co/ricursiveAI/Ripple-65B-Preview Report an error

Hugging Face · Daily Papers

5 highlights

01 PhyRubric: Rubric-Grounded Diagnostic Evaluation of Physical Commonsense in Text-to-Video Generation

PhyRubric is a rubric-based diagnostic framework developed to evaluate the physical common sense compliance of text-to-video generation models. This system aims to provide a concrete analysis based on physical principles instead of the subjective scoring found in existing benchmarking methods.

4 likes · 1 comments https://huggingface.co/papers/2611.13576 Report an error

02 DyCraft: An Agentic System for Long-Horizon 4D Scene Generation

DyCraft is an agent-based system designed to create long-term and consistent 4D scene animations. Unlike traditional methods, it aims to produce more realistic and naturally moving objects by detecting and correcting physical errors.

3 likes · 1 comments https://huggingface.co/papers/2610.40754 Report an error

03 From Tool State to Scientific Action: Auditing Decision Provenance in Biomedical Research Agents

An article published on Hugging Face introduces a testing method called BioAgent-DF, which examines the evidence consistency in the decision-making processes of artificial intelligence agents used in biomedical research. The study shows that Qwen3.5-4B and Gemma 3 4B IT models can produce different citation and reading results on the same scientific data.

8 likes · 1 comments https://huggingface.co/papers/2611.01527 Report an error

04 TorchCurves: Differentiable Parametric Curves

TorchCurves is a PyTorch library that treats vector-valued parametric curves as learnable primitives. It allows curve coefficients to be optimized alongside other models using B-spline or Legendre polynomial bases.

2 likes · 1 comments https://huggingface.co/papers/2611.14516 Report an error

05 The Surprising Effectiveness of Deleting Weights in LLM Post-Training

The article shared by Hugging Face shows that new capabilities can be acquired by zeroing out less than 0.05% of the weights of large language models (LLMs). This method, called Deletion Tuning, allows achieving results similar to full fine-tuning by masking specific parameters instead of training the entire model.

11 likes · 1 comments https://huggingface.co/papers/2611.10866 Report an error

📖 Glossary of Industry Terms

16 terms

open source

A type of software whose source code is open for anyone to inspect, modify, and improve.

LLM

Artificial intelligence models trained on massive amounts of data that can understand human language and generate text.

engineering skills

Technical skills and problem-solving abilities used in software development processes.

CLI

A text-based interface that runs programs using written commands instead of a mouse.

accessibility tree

A structural hierarchy that allows content on web pages to be understood by screen readers and other assistive technologies.

CFP/CFA

Professionals who hold certification of expertise in financial planning and investment management.

SDK

A set of tools and libraries that facilitate the development of applications by software developers for a specific platform or system.

lazer tarama

A measurement technology that creates a three-dimensional map of an object or area using laser beams.

kei truck

Very small and economical commercial trucks produced according to Japanese standards.

side-by-side

Small motorized vehicles with side-by-side seating, generally designed for off-road use.

text-generation

The process of creating meaningful texts in accordance with the given commands.

text-to-image

Technology capable of creating visual content based on written descriptions.

prompt expansion

A method of making the user's short commands more detailed and descriptive to ensure the artificial intelligence provides better results.

API

An interface that allows different software to exchange data and communicate with each other.

multimodal

An artificial intelligence capability that can process not only text but also different data types such as images or audio simultaneously.

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reinforcement learning

A training method where artificial intelligence learns to make the most accurate decision through trial and error and the rewards it receives.

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