Daily Technology Report

Today's Technology Trends

November 12, 2026 (Thursday)

A Few Sips

Today's technology agenda highlights AI-powered discovery tools and reinforcement learning techniques that enhance the autonomous learning capacities of large language models. While the loss of Tim Peters, one of the architects of the Python language, has caused deep sadness in the community, uncensored models and image processing solutions are rapidly diversifying in the open-source world.

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25 highlights · ~7 min read

10 GitHub Trending

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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, developed by Meta, is a fully customizable open-source design system designed for use by humans and AI agents. Written in TypeScript, this system aims to adapt to today's collaborative software development processes.

TypeScript · ★ 25,387 · +2,776 today https://github.com/meta/astryx Report an error

02 ZhuLinsen/daily_stock_analysis

ZhuLinsen/daily_stock_analysis is an automated system that performs stock analysis across multiple markets using large language models (LLM). The software processes market data and current news to provide a decision support dashboard, and also offers the opportunity for free operation at specific intervals.

Python · ★ 70,550 · +278 today https://github.com/ZhuLinsen/daily_stock_analysis Report an error

03 GoogleChrome/modern-web-guidance-src

GoogleChrome/modern-web-guidance-src is a repository containing the code and documentation necessary for creating, calibrating, and evaluating guidance content for web development standards. Developed in TypeScript, this resource forms the infrastructure for the GoogleChrome/modern-web-guidance project, which provides guidance for modern web applications.

TypeScript · ★ 1,950 · +159 today https://github.com/GoogleChrome/modern-web-guidance-src Report an error

04 shadcn/improve

shadcn/improve offers an agent skill that audits the codebase and creates plans for other AI models to implement. This tool aims to optimize the execution processes of lower-cost models by enabling more capable models to perform the analysis.

★ 11,098 · +361 today https://github.com/shadcn/improve Report an error

05 addyosmani/agent-skills

addyosmani/agent-skills is a JavaScript project that provides production-level engineering skills for AI coding agents. It aims to standardize the technical skills of agents used in software development processes.

JavaScript · ★ 116,094 · +787 today https://github.com/addyosmani/agent-skills Report an error

06 vercel-labs/agent-browser

Developed by Vercel Labs, agent-browser is a command-line interface (CLI) that allows AI agents to perform operations on a browser. This tool reads pages as an accessibility tree and allows interaction with web elements via the terminal.

Rust · ★ 50,011 · +708 today https://github.com/vercel-labs/agent-browser Report an error

07 we-promise/sure

Developed in the Ruby language, sure is a personal finance and asset management application open to everyone. Based on the work of the Maybe Finance team, which is an abandoned project, this application offered the opportunity to connect with real financial advisors under a subscription.

Ruby · ★ 13,130 · +1,078 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 on all Home Assistant installation types.

Python · ★ 7,488 · +645 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 software development kit (SDK) designed to find, verify, and remediate security vulnerabilities. Written in TypeScript, this tool aims to automate the detection and remediation processes of security vulnerabilities in software projects.

TypeScript · ★ 11,891 · +52 today https://github.com/openai/codex-security Report an error

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10 TheAlgorithms/Java

TheAlgorithms/Java is a comprehensive library containing implementation examples of various algorithms written in the Java language. Users can run these algorithms directly, edit them, or contribute to the project via the cloud-based development environment Gitpod.io.

Java · ★ 67,115 · +51 today https://github.com/TheAlgorithms/Java Report an error

Hacker News

5 highlights

01 Tim Peters has died

Tim Peters, who contributed to the development of the Python programming language for many years and authored the Zen of Python text that summarizes Python's philosophy, has passed away. Leaving deep marks in the software world, Peters was one of the most well-known names in the Python community.

1,002 points · 108 comments https://discuss.python.org/t/in-memoriam-tim-peters-1952-2026/110028 Report an error

Discussion: news.ycombinator.com/item?id=50450488 (1,002 points · 108 comments)

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02 My AI agents found an unmapped Maya site?

Artificial intelligence agents have detected a Maya settlement hidden under the forest by analyzing publicly available lidar data. It was understood that the area in question had been previously mapped by archaeologists but had not yet been entered into Mexico's official records.

953 points · 350 comments https://pietromiotti.com/latest/maya-site Report an error

Discussion: news.ycombinator.com/item?id=50452455 (953 points · 350 comments)

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03 AWS emulator

The AWS emulator is a tool that aims to mimic the infrastructure of the cloud computing service provider AWS in local environments. It allows software developers to test their applications before moving them to the cloud environment.

759 points · 228 comments https://github.com/aws/aws-emulator Report an error

Discussion: news.ycombinator.com/item?id=50456631 (759 points · 228 comments)

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04 Nvidia is preparing to oust Jensen Huang

According to a report shared by the Wall Street Journal, Nvidia is preparing to dismiss the company's Chief Executive Officer (CEO) Jensen Huang. This development brings up allegations of high-level management changes in the technology world.

749 points · 1,055 comments https://www.wsj.com/business/nvidia-is-preparing-to-oust-nvidia-ceo-jensen-huang-30f421ad Report an error

Discussion: news.ycombinator.com/item?id=50459703 (749 points · 1,055 comments)

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05 United Airlines bans AI agents from booking flights on behalf of travelers

United Airlines has banned the use of artificial intelligence agents that book flights on behalf of passengers. The airline company imposed the restriction to prevent the risks that such automated systems might create in ticketing processes.

478 points · 468 comments https://www.cbsnews.com/news/united-airlines-bans-ai-agents-booking-flights/ Report an error

Discussion: news.ycombinator.com/item?id=50458900 (478 points · 468 comments)

Hugging Face · Daily Models

5 highlights

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

The xtools-at/DeepSeek-V4-Pro-Qwen3.5-9B-UNCENSORED-heretic, a text-generation model shared on Hugging Face, demonstrates a high success rate in GSM8K math tests. In evaluations conducted with vLLM infrastructure, the model surpasses the results of the DeepSeek-V4-Pro teacher model and approaches the Llama-3.3-70B-Instruct reference values.

♥ 4,012 · 16,693 downloads https://huggingface.co/xtools-at/DeepSeek-V4-Pro-Qwen3.5-9B-UNCENSORED-heretic Report an error

02 MiniMaxAI/MiniMax-H3-Image

MiniMax-H3-Image, offered by MiniMaxAI, is an artificial intelligence model with text-to-image generation capabilities. It provides API (a digital bridge that allows two different software programs to talk to each other) documentation including image editing and prompt expansion features for software developers to integrate into their applications.

♥ 750 · 142,989 downloads https://huggingface.co/MiniMaxAI/MiniMax-H3-Image Report an error

03 speridlabs/idol

speridlabs/idol is an artificial intelligence tool that creates 3D Gaussian splat models from a single image. Outputting in a standard 3D file format, this model can run on consumer-grade graphics cards in less than two seconds.

♥ 2,158 · 28,250 downloads https://huggingface.co/speridlabs/idol Report an error

04 NousResearch/Arete-27B

Arete-27B, developed by NousResearch, is a post-training study conducted on Alibaba's text-generation model Qwen3.8-27B. The model in question aims to reorganize a China-based architecture to reinforce Western values.

♥ 442 · 4,023 downloads https://huggingface.co/NousResearch/Arete-27B Report an error

05 Lightricks/LTX-2.5

LTX-2.5, developed by Lightricks, is an image-to-video model that converts images into moving videos. Shared on the Hugging Face platform, this model enables the animation of visual content through artificial intelligence.

♥ 11,534 · 2,848,771 downloads https://huggingface.co/Lightricks/LTX-2.5 Report an error

Hugging Face · Daily Papers

5 highlights

01 Incentivizing Self-Learning in Large Language Models via Reinforcement Learning

The article shared on Hugging Face examines the self-learning method to improve the problem-solving ability of large language models (LLM) in unconventional areas. This approach aims for models to acquire information from long reference materials, study it, and apply this information in real-time.

7 likes · 3 comments https://huggingface.co/papers/2610.39671 Report an error

02 GTAGym: Real AAA Game Tasks Environment for Evaluation and Reinforcement Learning

GTAGym is a GTA V game environment and framework developed to evaluate the perception, reasoning, and control capabilities of artificial intelligence agents. The tool aims to support reinforcement learning processes with the GTAVBench benchmark set derived from main story missions.

7 likes · 2 comments https://huggingface.co/papers/2611.13028 Report an error

03 LO-World: Unified BEV Latent Modeling for Joint 4D Occupancy and LiDAR Forecasting

LO-World predicts by combining LiDAR point clouds and 3D semantic occupancy data into a single 4D world model. This approach aims to resolve the independence problem in prediction processes by processing two different data types in a way that supports each other.

1 likes · 1 comments https://huggingface.co/papers/2611.11912 Report an error

04 One Table, Many Queries: Benchmarking Generalist Tabular Models Across Generation, Imputation, and Prediction

One Table Benchmark is a comprehensive benchmarking tool that evaluates generation, imputation, and prediction tasks on tabular data under a single framework. Covering 56 datasets and 46 different methods, this study aims to analyze the performance and interaction of general-purpose tabular models across these three distinct capability areas.

22 likes · 2 comments https://huggingface.co/papers/2611.13001 Report an error

05 Visual Similarity in Adult Word Extension and Artificial Word Learning

The article titled 'Visual Similarity in Adult Word Extension and Artificial Word Learning', shared by Hugging Face, examines the relationship between the visual similarity of objects and word sharing. The study analyzes the effect of the distance between objects on word learning using the self-supervised visual encoder DINOv2.

2 likes · 2 comments https://huggingface.co/papers/2611.14116 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.

agent skill

A specialized skill or function used by artificial intelligence agents to perform a specific task.

engineering skills

The set of technical skills, such as coding and system design, used in software development processes.

CLI

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

accessibility tree

A hierarchical structure that allows elements on web pages to be understood by assistive technologies such as screen readers.

SDK

A set of tools and libraries that make it easier for software developers to create applications for a specific platform or system.

CEO

The highest-ranking executive responsible for all operational activities of a company.

text-generation model

An artificial intelligence model trained to generate meaningful text based on given commands.

text-to-image

Artificial intelligence technology capable of generating visual content based on written descriptions.

post-training

The additional refinement process performed after the initial training of an artificial intelligence model to improve its performance on specific tasks.

image-to-video

Artificial intelligence technology that analyzes static images and converts them into moving videos.

self-learning

A method by which artificial intelligence improves itself by extracting new information from its own experiences or data without external intervention.

benchmark

A set of standard tests used to measure and compare the performance of a system or model against others.

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reinforcement learning

A training method where artificial intelligence learns to make the most accurate decisions through trial and error, using reward and punishment mechanisms.

LiDAR point clouds

A dataset of thousands of points obtained through laser scanning technology that forms the three-dimensional structure of an environment.

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