

Pixel Pulse

Unplugged

Winter Edition Volume #1
January 19th 2025

```
const newsletter = {
```

```
  techNews: "Latest Tech News", techTrends:  
  "Popular Tech Trends", startups: "Spotlight on  
  New Startups & Innovations", techHacks: "Tech  
  Hacks to Make Life Easier", fun: "Tech Riddles &  
  Quizzes", topPicks: "Our Top Tech Choices"  
};
```

```
console.log(newsletter);
```

Tech Pulse

TikTok Faces U.S. Ban Amid Security Concern
On January 19, 2025, the U.S. Supreme Court upheld a law requiring ByteDance to sell TikTok or face a nationwide ban. This decision mandates tech giants like Apple and Google to remove TikTok from their app stores or incur substantial fines. Oracle, providing cloud services to TikTok, also risks penalties if support continues. President Joe Biden has indicated he won't enforce the law on his last day in office, while President-elect Donald Trump is contemplating a 90-day extension for ByteDance to finalize a sale. The outcome remains uncertain, leaving TikTok's future in the U.S. in limbo.

Next in Tech

In 2024, the EdTech market experienced significant growth, projected to reach \$169.37 billion, up from \$144.64 billion in 2023, with an expected CAGR of 17.10% through 2032. This surge is driven by the integration of cloud computing, enhancing accessibility and collaboration in educational settings. In the political arena, online political advertising expenditures soared, with over \$619 million spent on platforms like Google and Meta by August 2024. This trend underscores the increasing role of digital platforms in political campaigns. Additionally, the adoption of blockchain technology in political finance is gaining attention, offering potential for increased transparency and accountability in campaign funding.

Innovators Insight

In 2025, biocomputing saw a major leap with the advancement of Organoid Intelligence (OI)—using lab-grown brain organoids for computational tasks. Researchers emphasized the potential of biology-first AI, which integrates biological data to better understand complex systems like immune-tumor interactions. These breakthroughs were highlighted at the ISMB/ECCB 2025 conference, focusing on applications in oncology, personalized medicine, and efficient clinical trial designs. This innovation aims to create sustainable, biologically integrated systems that outperform traditional silicon-based computing.

Tech Hacks

A sluggish laptop can be frustrating, but a few simple steps can make a big difference. Start by clearing temporary files and uninstalling unused applications to free up space. Check for background programs using Task Manager and disable unnecessary ones to improve performance. Running a virus scan ensures no malware is slowing down the system. Upgrading your RAM or switching to an SSD can also provide a significant speed boost. Regular software updates and a system cleanup can keep your laptop running like new.

Our Top Pick

Exploring the Metaverse -
A fresh new start in the digital world.

<https://hbr.org/2022/07/exploring-the-metaverse>



Sources

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