

Top 5 Tech Trends of 2023-2025

INSIGHTS

BY [DIGITALSTRATEGY-AI.COM](https://digitalstrategy-ai.com)

DANAR MUSTAFA

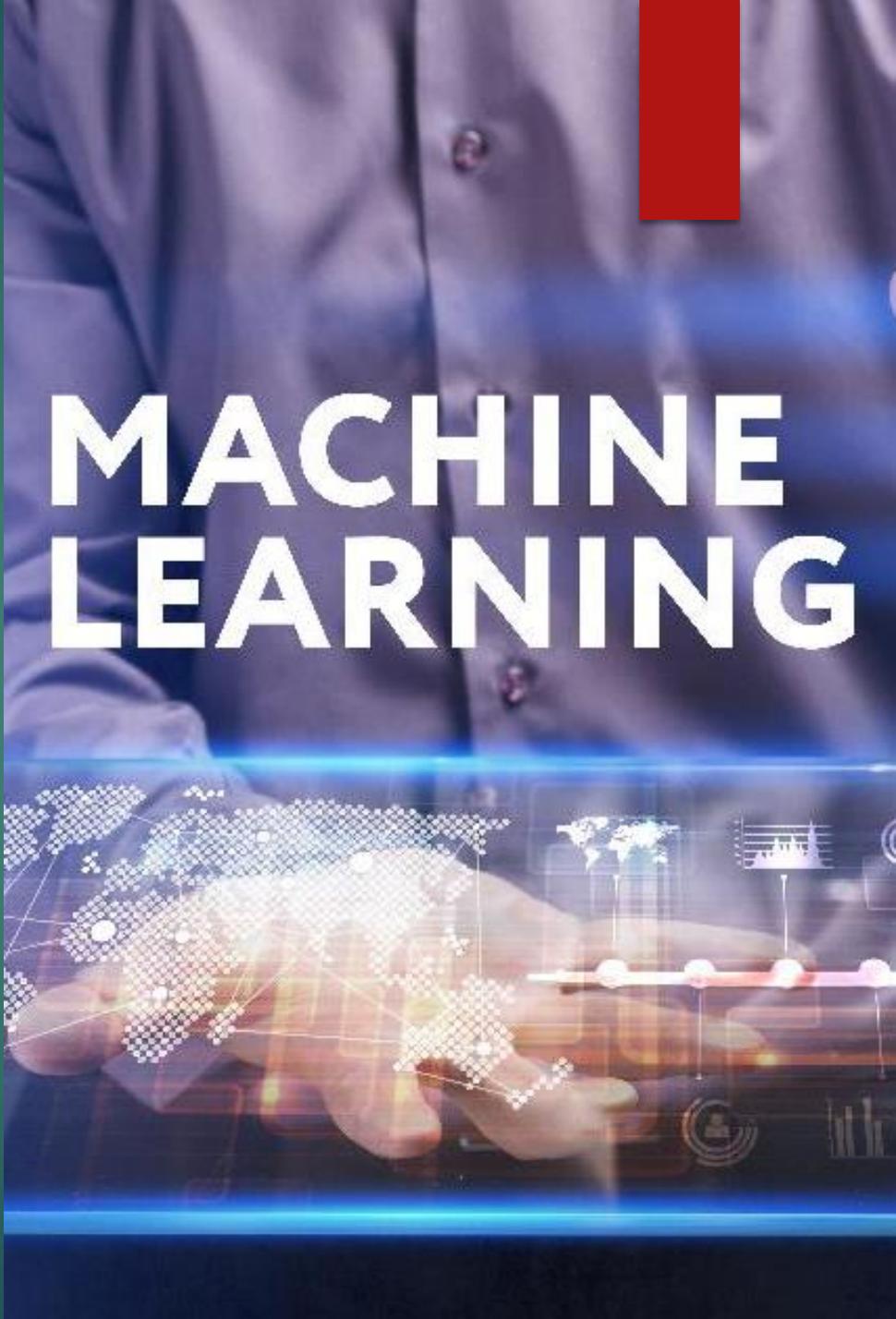
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- ▶ **Since the COVID pandemic, many technological advancements have gained momentum.**
- ▶ **Both society and businesses must adjust.**
- ▶ **Operational flexibility will be important in business.**
- ▶ **How we work, live, and interact will continue to be impacted by technology.**
- ▶ **It will be crucial in the shift to cleaner sources of fuel, energy, and resources.**

1. Data-Driven Development with AI

- ▶ During the COVID pandemic, about half of all internet users have increased their social media usage. In US homes, the number of smart devices has also more than doubled.
 - ▶ More individualized services will be created with the aid of artificial intelligence that can recognize patterns and learn new ones.
 - ▶ Data-Driven Healthcare can help to accelerate the development of treatments and vaccines. Biopharma and healthcare will rapidly change how they work as more data can be captured from patients.
 - ▶ Several projects will begin in 2022 to 2025 to simplify the sharing of secure data with other participants in an ecosystem or value chain.



MACHINE LEARNING

2. Automation

Companies will increase automation of physical tasks for internal use.

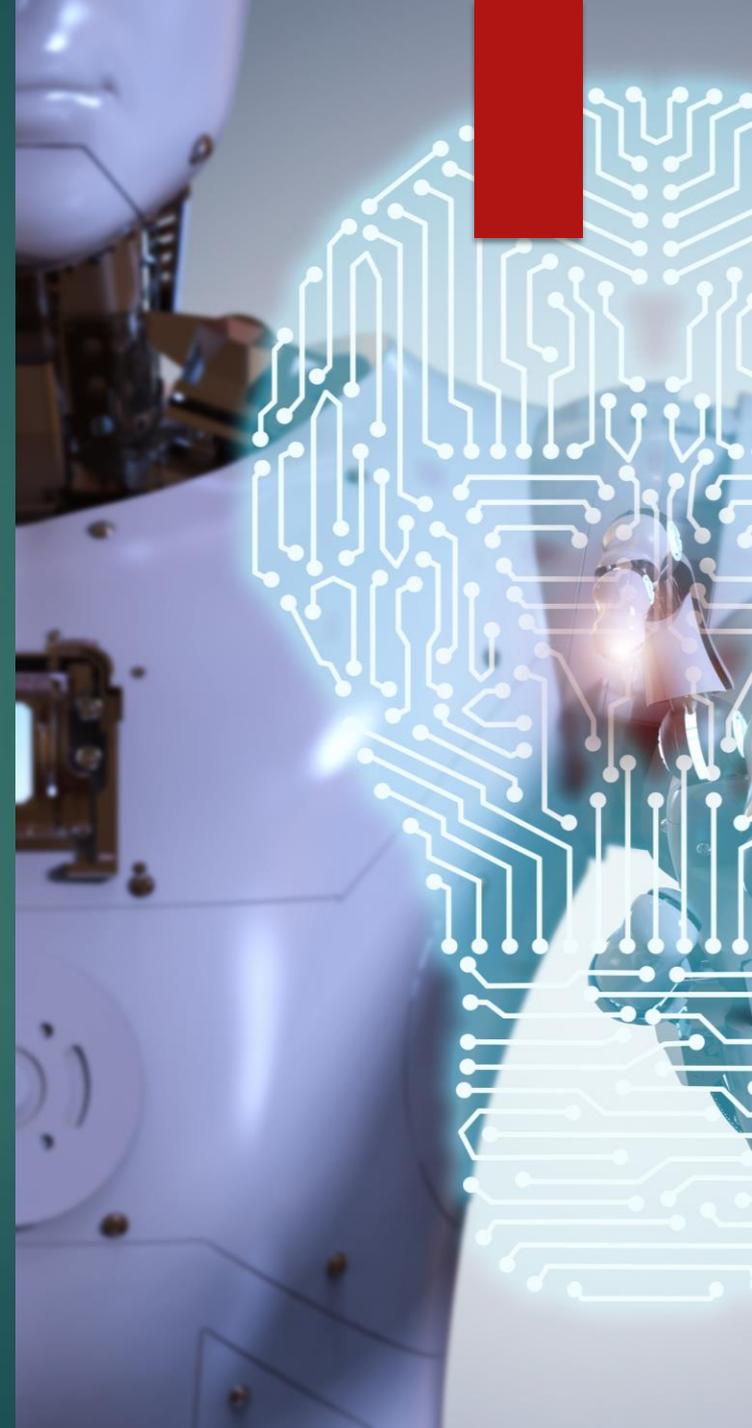
- Artificial Intelligence systems are being implemented across the organization to monitor, measure, control, and execute various tasks.
- For example, these are some of the applications: Internal chatbots, monitors of cyber security threats and robot process automation.

Wireless connectivity technologies are becoming cheaper with higher performance

- More assets in construction, production, and logistics will be connected with sensors and data-analytics capabilities.

Also, hospitals will be more efficient due to automation.

- AI will help planners direct the flow of activities and patients
- Smart watches will monitor patients
- In the future, robots will complete 95% of the surgery, much like the autopilot on airplanes.



3. Green Tech

- ▶ Acceleration of new innovations to reduce negative environmental impacts
- ▶ Innovation in Green Tech will use multidisciplinary engineering technologies (mechanical, electronic, and computer systems)
- ▶ For example, here are some green tech innovations:
 - ▶ Renewable Energy (innovation in solar, wind and wave energy)
 - ▶ Introduction of Green Materials
 - ▶ Circular Waste Management
 - ▶ Management of Energy Consumption



4. Virtual and Augmented Reality

- ▶ Acceleration to the metaverse, a shared 3D environment where individuals may work together and have a better virtual experience
- ▶ It will become more digital services in the physical world. This implies for businesses:
 - ▶ Manufacturing processes, logistics, and design will be analyzed in 3D simulation
- ▶ A layer of digital technology will be added to the physical world. Through augmented reality, users can get real-time information and new personalized experiences.



5. Platform Engineering

- ▶ “Platform engineering is a process organizations can use to leverage their cloud platform as efficiently as possible so that engineers can deliver value to production quickly and reliably”
- ▶ As more businesses engage in software development, there is a need to streamline the many tools and workflows.





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