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Emerging tech trends: 9 developments to look out for

Introduction

The world has faced the pandemic in the last three years and is now adopting the **digital era**. Tech experts view this as a chance to shape a brighter future and drive innovation, with businesses relying on their tech teams.

2023's tech trends promote **global transformation**. The demand for rapid tech advancements grows as the world embraces digital solutions. These trends emphasise digitalisation and efficiency.

Now, let's dive into the **top tech trends in 2023** and why they matter!

1. Industry-specific cloud solutions

These **customised cloud solutions** show how unique each business is. They aim to help companies transform, seize opportunities, and improve experiences profitably.

Key benefits include:

- Understand industry data and regulations
- Enhance security and reliability

As the cloud evolves, providers are tailoring offerings to different industries. Companies struggling against cloud-native competitors are taking interest.

2. Evolving threats and Cyber AI

Organisations are still getting hacked despite heavily investing in security. According to a study by **Deloitte**, cybercrime costs could hit **€9.3 trillion by 2025**.

However, there is a solution - Cyber AI.

Cyber AI can help lower cybercrime as it:

- Promotes resilience so organisations can operate even during attacks
- Teaches systems to anticipate and respond to hackers

Source: Deloitte

The cost of cybercrime is set to grow to €9.3 trillion by 2025

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3. 4D printing

4D printing extends 3D printing by creating materials that change properties based on external factors like temperature.

Potential applications:

- **Medicine** - parts reacting to body heat
- **Clothing** - adapting to movement, weather
- **Automotive** - airbags lowering the impact

4D printed materials can morph and evolve intelligently over time. This revolutionary technology promises to transform manufacturing across industries.

4. Sharper decision-making

Businesses enhance analytics with AI through 'decision intelligence,' fostering **data-driven choices**. As this approach gains traction, more companies embrace it to optimise decision-making.

5. The advancement of distributed enterprises

Remote and hybrid work is **reshaping traditional office-based companies** into digital-first, remote-first organisations.

This transformation caters to remote employees and digitally savvy consumers, enhancing customer experiences and adapting to the demand for virtual services.
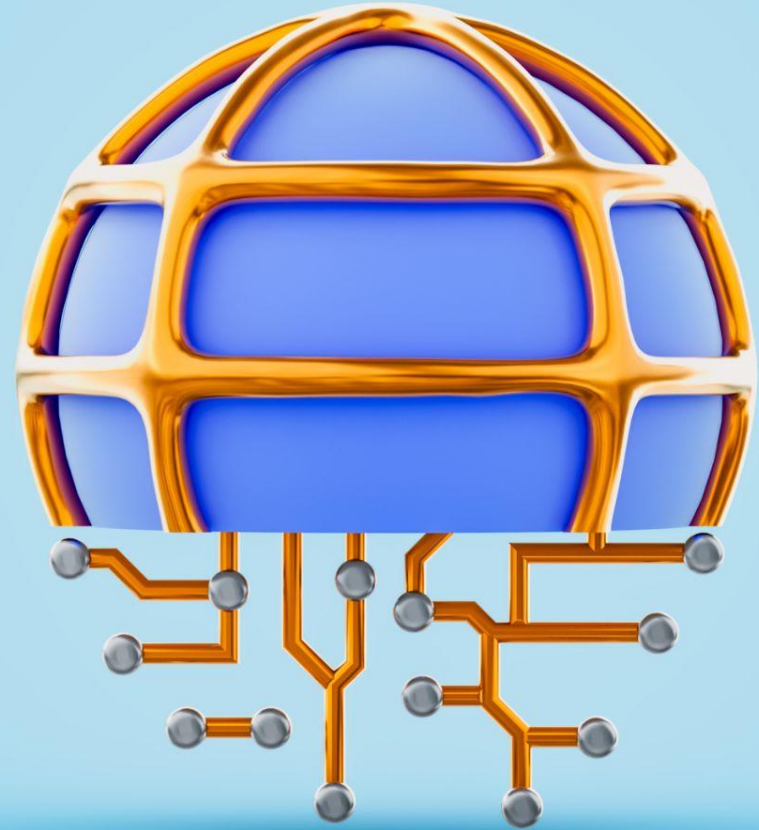
6. Internet of touch

2022's tech trends introduce the 'Internet of Senses,' blending **physical and digital worlds** to offer immersive, multisensory digital experiences.

AI, AR, VR, 5G, and automation drive this revolution, transforming how we interact with the digital world.

7. Ultra-fast 5G

The transition from 4G to 5G unlocks new business prospects. **Gartner projects a 39% revenue growth** in 5G networks to **€16.8 billion by 2022**.

Beyond speed, 5G brings low latency and expanded device connectivity, fueling immersive experiences and IoT applications.
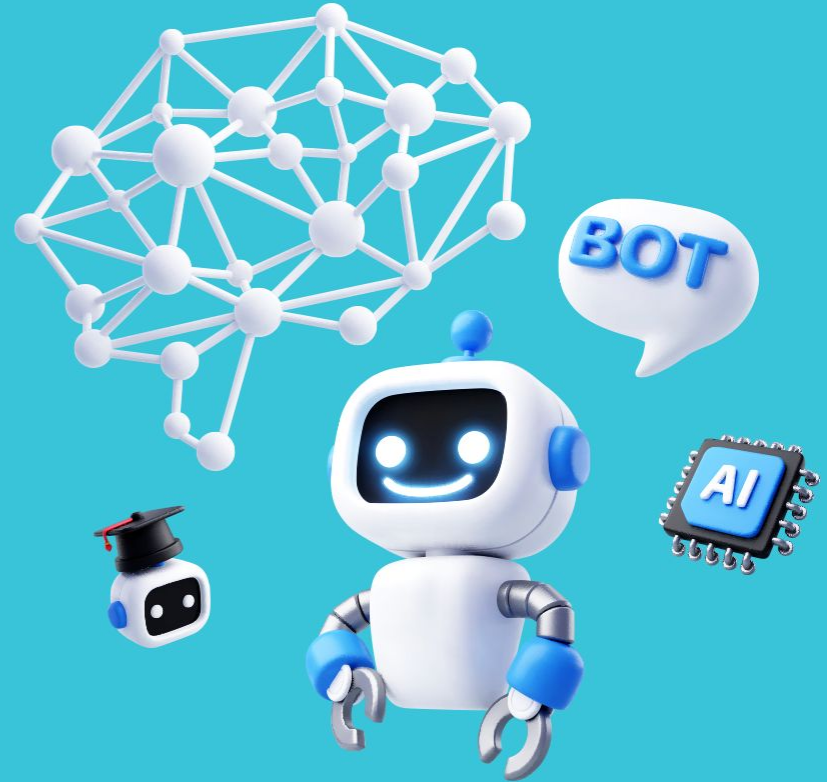
8. Wearables and human augmentation

AI-driven healthcare wearables offer pattern recognition and alerts, while **human augmentation** enhances cognitive and physical abilities for greater productivity.

The future may bring 'augmented humans,' blurring the line between **wearables and integrated augmentation**.

9. Internet of Behavior (IoB)

IoT data shapes how we work, shop, and manage our **health management** through IoB, which leverages behavioural insights for innovation.

But as IoT devices multiply, **ethical data use** discussions arise. Gartner foresees IoB's substantial impact on our daily lives, harnessing behavioural data.

Wrapping up

While these transformative technologies are rapidly evolving, they hold **immense business potential**. Companies must remain agile in a digital age characterised by rapid change, leaving no space for **clinging to outdated practices**. Continuous learning becomes a necessity.

If you're interested in building a dedicated offshore team in India that capitalises on these trends, **simply complete our contact form**, and one of our executives will get back to you!

Thank you

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