



TECHNOLOGY TRENDS FOR 2019

What Can We Expect?

by designhill

1

Conversational Systems

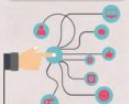


These systems can go from the simple bidirectional

Informal text to voice conversations such as a reply to "What day is today?" to more difficult interactions such as collecting an oral testimony from someone involved in a criminal case. These systems have led to a model shift from people adapting to their computers in the past to the one where the computer hears and adapts to a person.

2

Digital Technology Platforms



It is not a secret anymore that digital technology

Platforms are so vital for the success of a digital business that they are often described as their building blocks. In fact, nowadays they're considered almost necessary in order to break into the digital world.



Ideally, every digital business will have a mix of five digital technology platforms: business ecosystems, information systems, the Internet of Things, customer experience, and analytics and intelligence. Till the year 2020, new services and platforms for conversational systems, IoT and AI will remain at the center stage.

3

Mesh App and Service Architecture (MASA)



With the rapid growth of digital technology platforms

Application architectures and intelligent digital mesh, there is an urgent need for security to become more fluid and easily adaptive. As we have discussed several times on IndianWeb2, security in the IoT environment poses a very difficult challenge. There is a need for security teams to work effectively with enterprise, application and solutions architects so as to tackle the important topic of security in the initial phase of the designing of the applications and IoT solutions.

The year 2017 would witness important changes being made to the tools

Technology and architecture currently being used in the intelligent digital mesh to develop effective solutions. The MASA can be best described as a multichannel solution architecture that make use of cloud and serverless computing, microservices and containers as well as APIs and events so as to deliver dynamic, modular and flexible solutions.

4

Adaptive Security Architecture



Artificial Intelligence and machine learning

Which currently already includes technologies such as natural language processing, deep learning, and neural networks, could soon encompass more advanced systems that will be able to learn, understand, predict, adapt and potentially even function autonomously. Systems could learn and change future behaviour, and end up creating more intelligent devices and programs.

Autonomous vehicles, drones

Robots are three main categories into which the new intelligent things can be easily categorised into. The year ahead would witness all these three areas growing to have an impact on a larger segment of the market and extending support to a new phase of the digital business. While in the above paragraph we talked about new intelligent things.

5

AI & Advanced Machine Learning

Intelligent apps, which also include technologies

Maybe soon be able to completely transform the workplace by making its users more effective and everyday tasks much easier than before. However, these new intelligent apps are no longer limited to just new digital assistants. The future could see almost every existing software category right from enterprise apps to security tooling getting infused with artificial intelligence enabled capabilities.



6

Intelligent Apps



7

Blockchain



A blockchain is basically an anonymous online ledger

That makes use of a data structure to make the process of transaction an easier and simpler process. It provides users the ability to manipulate the ledger in a safe way without seeking the support of a third party. While a bank's ledger has connections to a centralised network, a blockchain is anonymous as it helps in protecting the identities of the users. This is what makes the technology of blockchain a safer way to carry out transactions than any other existing processes.

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