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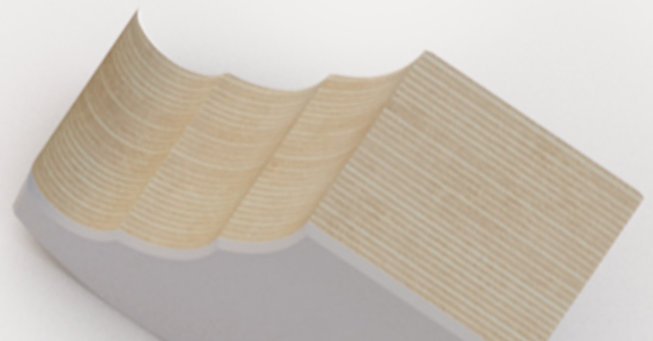
# Now, Near, Far: Enterprise Use Cases for Generative AI



Generative artificial intelligence (AI) is a new field of artificial intelligence that focuses on creating new data similar to the data it was trained on, mimicking the human creative process. This has the **potential to revolutionize a wide range of functions across industries**, from copywriting to research and even computer programming.

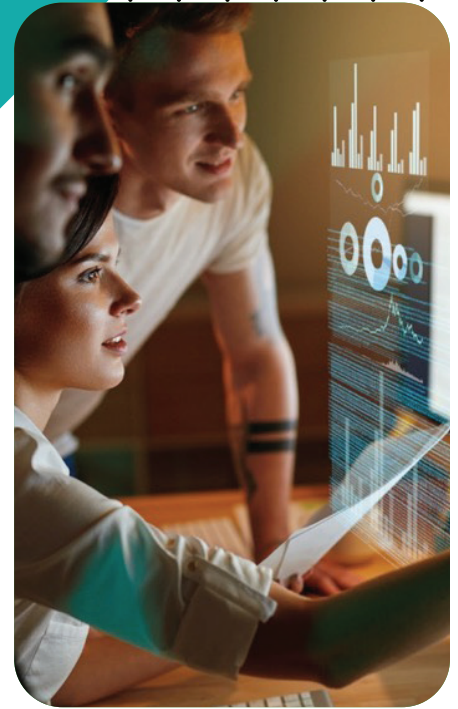
However, there are still many challenges to overcome before Generative AI is deployed at scale in the enterprise. These include concerns about exposing sensitive data, user privacy, and data security, plus concerns over ethics, integrity, workforce impacts, and diminished overall quality of work. **Generative AI models are only as good as the quality of their training data**; any biases in training data—such as in representation or sampling—induce biases in model outputs.

To get started using Generative AI today, enterprise leaders must understand the technologies underpinning Generative AI, explore emerging and potential use cases, monitor the rapidly evolving competitive landscape, and select partner organizations with the expertise to help them use the technology well now and in the future.



# Generative AI use cases

Generative AI's earliest use cases have focused on horizontal applications, such as social media marketing, enterprise knowledge retrieval, and digital customer service. These **“horizontal” use cases** are typically applicable across organizations and industries with little-to-no customization.



But as Generative AI matures, it is being used for more **vertical use cases**, such as medical diagnosis and treatment planning, retail planogram generation, etc. These use cases require far **more domain knowledge, context, and expertise**, and therefore require **specialization** of the Generative AI tool.

Here's what to expect as use cases for Generative AI in the enterprise continue to take shape:

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Horizontal use cases will be the first to deliver **enterprise value** due to the availability of large training datasets.

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Text-based Generative AI use cases will be commercialized ahead of other data modes, given the current state and rapid progression of large language models over image, video, or 3D-focused models. However, the **potential cost saving and productivity gains will be meaningfully greater when higher-order tasks are commercialized.**

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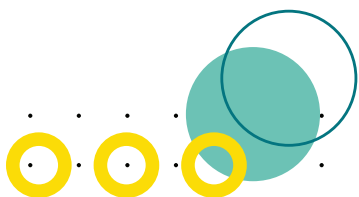
**Value realization will trump experimentation** and use cases that directly impact cost (e.g., chatbots), boost productivity (e.g., enterprise search), or drive revenue (e.g., marketing copywriting) will have greater success in the enterprise than use cases that eliminate the human creativity element (e.g., scoring soundtracks).

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Like previous generations of automation, Generative AI will likely augment human performance instead of replacing them. But using AI effectively will be critical and prompt engineering—**the ability to ask AI the right questions—will be a differentiating skill set.**

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Technology organizations looking to become a Generative AI provider of choice will prioritize the features that matter most to enterprise buyers: **ease of use, security and privacy, robust ecosystems, transparency and explainability, and flexibility and customization.**



# Who's leading the way

The competitive landscape in the Generative AI industry is complex and evolving rapidly.

While there is no single organization dominating the Generative AI space currently, there are three main types of providers:

- 1 **Hyper-scalers**
- 2 **Software-as-a-service (SaaS) vendors**
- 3 **Open-source providers**

These organizations are shaping what's next in enterprise uses for Generative AI, guided in part by the feedback from technology-forward organizations using the tools available today.



Organizations such as Deloitte are also leading the way to enterprise adoption of Generative AI both by **helping clients determine where, when, and how to implement the technology, and using it themselves for horizontal purposes.**

For example, this article was written in collaboration with Deloitte and Google Cloud Vertex AI following a **two-step process**: (1) providing **Vertex AI** with a white paper and appropriate prompt to turn the white paper into an article and (2) having **human Generative AI specialists and human writers** edit the AI-produced draft to ensure accuracy and improve readability. This process reduced the time it would traditionally take a human writer to gather resource materials, interview subject matter experts, and produce a first draft. By **streamlining the work up front**, more time is reserved for fine-tuning, reviews, and approvals.



# An uncertain but promising future

Generative AI is a powerful tool with the **potential to revolutionize many industries**. Though we don't yet know all that's in store for Generative AI, this is a time of excitement and immense possibility.

Here are some likely future states as Generative AI continues to expand:

Businesses will leverage the **ability to analyze large amounts of customer data** to create dynamic, real-time, and entirely tailored experiences, products, services, and communication.

The boundaries between humans and machines will blur further, as **machine-to-machine interaction** outpaces human-to-machine interaction.

**Individuals could eventually be free from mundane, repetitive work**, potentially allowing them to contribute in novel and unimagined ways.



## Gopal Srinivasan

Technology Industry and  
Google Alliance Generative AI Leader  
Deloitte Consulting LLP  
gosrinivasan@deloitte.com



## Rohan Gupta

Principal, Strategy & Analytics  
Deloitte Consulting LLP  
rohagupta@deloitte.com

## Want to learn more?

### Read the white paper:

[The Impact of Generative AI for Businesses](#)

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