Eye to AI:
Computer Vision for Federal Missions

MeriTalk, in partnership with Government Acquisitions, Inc. (GAI) and NVIDIA, surveyed 150 Federal IT decision-makers* to understand computer vision (CV) awareness, obstacles, opportunities – and how to use it to benefit Federal missions

CV: A field of AI that uses computer systems to find meaningful information from digital images, videos, text, or other inputs

A BIRD'S EYE VIEW

99% of **Federal IT decision-makers** say deriving meaning from imagery or video is important to their agency's mission, and

97% feel CV is one of the **most useful AI technologies**

Still, **87%** say **CV is underutilized** by the Federal government

SIGHTS UNSEEN

Despite interest, **23%** have a **fully functional CV application** in place

13% feel their infrastructure is **fully capable of handling CV**

Additional roadblocks:

Lack of skilled workforce

Challenges with culture/change management

Concerns about technical maturity

SEEING IS BELIEVING

Three in ten are still in the process of gathering information about CV and **49%** say a better understanding of available CV technology would **help advance their usage**

Common CV pilot projects?
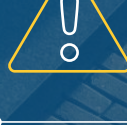
#1 Object classification

#2 Object detection

#3 Image synthesis

Most valuable outcomes so far?

Reduced **manual error**

Increased **processing speed**

Simplification of **complex tasks**

A VISION FOR THE FUTURE

GAI and NVIDIA help Federal agencies unlock the power of cutting-edge CV technology.

The partnership integrates:

The **NVIDIA DGXTM Platform**, a unified AI development and training solution that combines the best of NVIDIA software, infrastructure, and expertise, with

GAI's dedication to Federal mission success, from:

Design to acquisition of hardware and software,

Installation of solutions, and

Resources including engineers and data analysts

Together, they deliver a modern, unified CV solution on-premises, in the cloud, or at the edge, including:

Education and guidance
from planning and data prep, through implementation and program management

Flexibility
future-proof frameworks to build once and deploy anywhere

Proof of concept
identify low-hanging fruit and then maintain momentum

The cost of doing nothing far exceeds the cost of doing something now.

Accelerate AI on NVIDIA DGXTM H100 systems, powered by NVIDIA H100 Tensor Core GPUs and Intel® Xeon® Scalable Processors, with the help of GAI

Download the full report to learn more.

* Survey conducted in October 2022