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

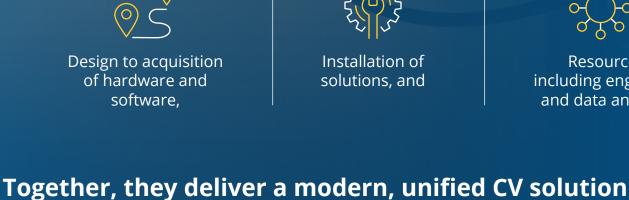**GAI and NVIDIA help Federal agencies unlock the power of cutting-edge CV technology.**

The partnership integrates:

The **NVIDIA DGX™ 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 DGX™ 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