Artificial Intelligence is NOW.

AI is a culture of data exploitation that empowers federal agencies to harness emerging technologies like AI, NLP, and RPA to create transformative solutions, enhance citizen engagement, and maximize human impact.

In an age when most companies try to apply their standard AI solutions to every problem, Octo takes a different approach. We believe AI must be designed for each organization and each problem. Every organization has a different dataset and different requirements, so why would we try to use a cookie-cutter solution to solve such a unique problem? This is why we developed our AI Playbook. By combining our AI Playbook with our Agile principles for iteration, Octo is able to apply custom AI solutions in the same amount of time others apply their standard ones. The result? Far more return on your investment dollars and greater accuracy in model training.

Octo helps you prepare, train, and evaluate AI models to deliver mission-ready solutions

We have a wealth of experience applying emerging technologies to the Federal Government. And we take it one step further by creating working prototypes to demonstrate to our clients how a solution will work in their environment. Recent projects include:

- **e-Approve** can examine structured and unstructured data in PDFs, text-based documents, spreadsheets, scanned images, and more. This can automate the verification process of forms submitted digitally, scanning documents and checking for accuracy. Using Robotic Process Automation (RPA), submitted data can be compared and validated against an existing database.

- **NLP NER** automates data extraction from electronic health records (EHR) to identify potential adverse events for hospital-acquired conditions.

- **G-Search** modernizes the grant opportunities search process and visualization of research data using Machine Learning (ML) techniques. It searches for grant opportunities and lists funding data sorted by grantors, agencies, and others. G-Search uses a pointwise approach to an ML ranking algorithm. G-Search can filter results, display charts on funding amounts per organization, list open and close dates, and more, all while offering advanced search capabilities to reduce time and resources used in grant research.

- **OCR Hunters** uses optical character recognition (OCR) to recognize data in an uploaded image of a form and converts it to digital data, eliminating the need for manual data entry and reducing manual errors.

- **Covid19 DPR** is a Digital Pathology Repository (DPR) to collect organ slide image specimens from autopsies of people who died as a result of the virus. We built the interface to enable HALO, an AI powered medical research tool, to be accessible to the public and other health agencies to assist NIH in gathering as much data as possible.

Octo creates transformative solutions that enable Federal Government agencies to modernize faster and enhance citizen engagement.

To see a demo of our projects or for more information, contact info@octoconsulting.com