NCI Shai®
AI SOLUTIONS THAT CHANGE THE WAY WE WORK

Scaling Human Potential with AI
Empower your team by shifting low value work to mission-directed work. NCI Shai® (Scaling Humans with Artificial Intelligence) applies operational AI technologies to help your workforce reach their human potential and scale processes to meet growing demands. Combined with our proven agile development methodologies and DevSecOps principles, our NCI Shai framework changes how you do the work but not the work you do.

Our AI tools automate tasks that are repetitive, time-consuming, or difficult for humans to complete accurately, using state-of-the-art AI tools including machine learning, natural language processing, code refactoring, image recognition, and predictive analytics.

NCI Shai is a powerful and versatile artificial intelligence (AI) framework that can digitally transform your organization to help solve your organization’s toughest challenges. We use AI to help:
- Improve operational efficiency
- Control costs
- Scale systems and services
- Reduce error rates
- Optimize mission performance
- Secure data

Made in the U.S.A.
NCI Shai leverages technologies that have been proven in the commercial marketplace, as well as NCI solutions that are customized to meet the needs of Federal defense, civil and health agencies.

- 100% U.S. developed and maintained to guard against foreign threats in sensitive homeland security, military or domestic agency systems.
- Developed in accordance with secure coding practices for operation in highly secure environments.
- Works seamlessly with your existing systems, so you don’t have to make any changes to your current infrastructure and approved ATO platforms and systems.
NCI’s Shai Capabilities

Intelligent Automation
Our intelligent automation uses RPA, along with machine learning and visual recognition, and allows you to automate repetitive processes to gain even more efficiencies. Our platform goes beyond standard task handling to tackle processes requiring analysis of complex inputs and probabilistic and deterministic decision-making.

- Forms Processing
- Data Gathering and Validation
- Email Response
- Ticket Update
- Account Creation
- Report Creation
- IT Infrastructure Management
- Contract Analysis
- Password Reset
- Escalation Handling

Machine Learning
Our experts can collect, centralize, and visualize your data to help your systems learn from your data and identify patterns without human intervention. We pair machine learning with advanced capabilities tools such as computer vision, image recognition, speech recognition, and natural language processing to solve complex challenges and turn large volumes of data into meaningful and actionable information for your organization.

- Signal Processing
- Data Labeling
- Image and Information Processing
- Audit Support
- Sentiment Analysis
- Predictive Analytics

Rapid Code Refactoring
Using our AI tools, we can securely repair, refactor, and regenerate any existing software into any desired programming language, architecture, or platform. Our process vastly reduces costs and timelines for code modernization while improving code efficiency, reliability and security.

- Leverages a semantic learning platform
- Analyzes semantic intent for improved accuracy and performance
- Delivers clean, secure, high-quality code

Customized AI Tools and Solutions
NCI engineers can build customized AI tools to solve your biggest challenges. From natural language processing to chatbots and from machine learning to intelligent automation, let our team help you assess the best solution for your organization.

- Chatbots
- Speech-to-Text
- Interactive Voice
- Intelligent Search
- Image Recognition

Find out how NCI Shai can help you meet your mission
For more information, visit www.nciinc.com or email contactnci@nciinc.com.

About NCI
NCI is a leading provider of enterprise solutions and services to U.S. defense, intelligence, health and civilian government agencies. NCI’s AI solution, Shai, scales humans with artificial intelligence by empowering the workforce to meet their mission by using best in class AI solutions coupled with our service exceptional offerings. Coupled with a focus on strategic partnerships, NCI is committed to bringing commercial innovation to missions of national importance. NCI is a mid-tier systems integrator headquartered in Reston, VA, and operates at locations across the globe.