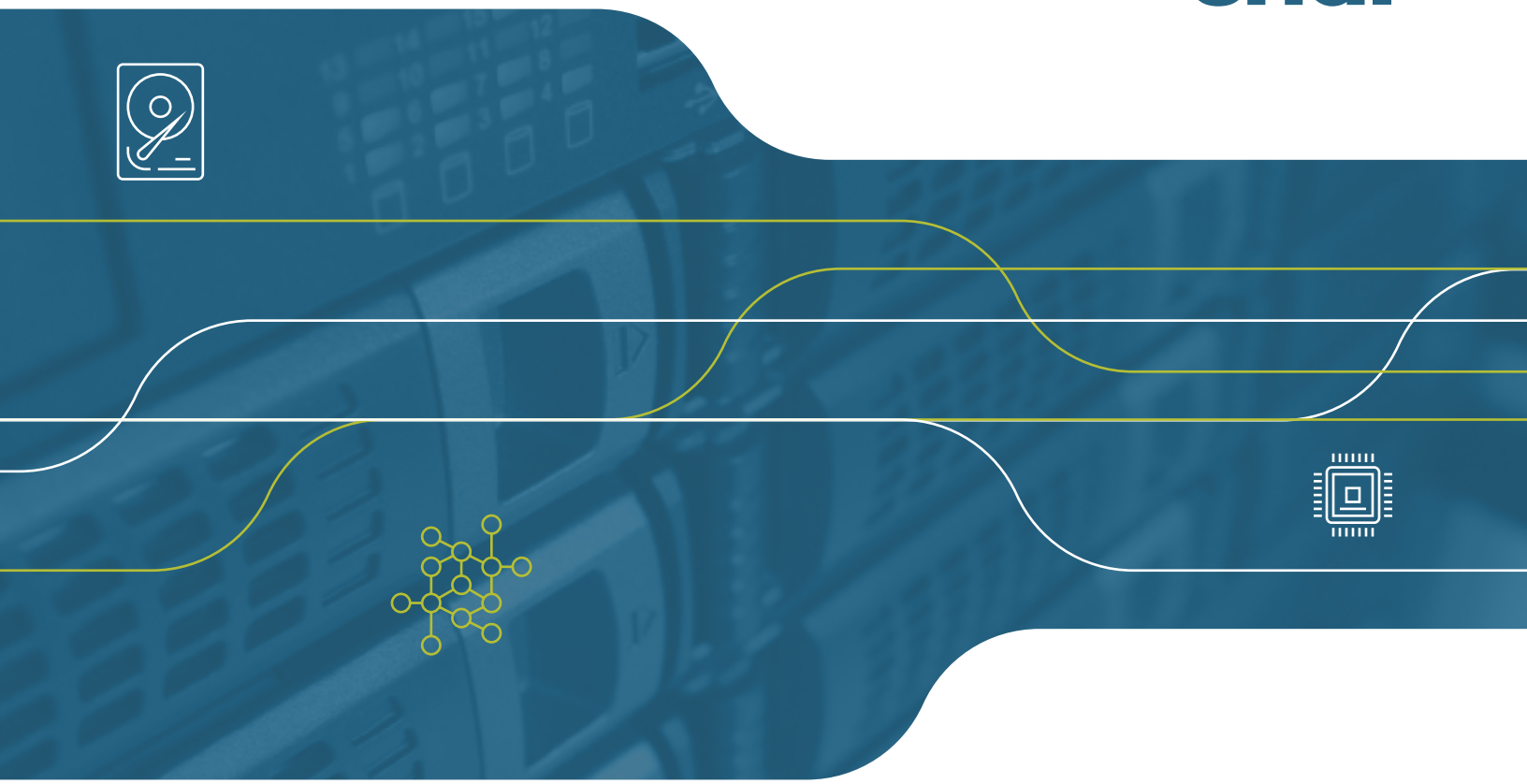
shai



Coding and Organizing Big Data

CASE STUDY

Since intelligent decision making relies heavily on access to vast amounts of reliable data, the task of cataloging that data can require a significant amount of human effort.

By having Shai™ do the heavy lifting, all your big data can be properly sorted for you, altogether removing a time-intensive human process

Navigate

Today, incorporating large amounts of data into your day-to-day operations is a necessity for success. To make the most of your data, it needs to be secured and stored, and intuitively organized for easy access. Unfortunately, big data is often disparate and disconnected, siloed in departments across multiple locations.

Every organization needs a way to house its data, easily access it, ensure its integrity, and put it to use, regardless of how much data exists. This is critical to your mission success. .

Collaborate

For this customer, NCI took the elaborate workflows that were being used to log and organize big data sets as a starting point, mapping them out from beginning to end. In this instance, there were four categories of data that had to remain separate and be verified for accuracy.

Additional functionality included the ability to read and understand typed and written entries of scanned documents, correct text typos as necessary, confirm the correct formatting, check for additional text, spellchecking entry fields, decide if certain text was relevant or not, and determine the language used. If the language used was not English, the workflow was packaged and sent to a corresponding translator. After sorting all the entry fields, the next document was queued up for processing.

After reviewing all the steps involved, NCI saw a clear opportunity for Shai™ to automate this exceedingly repetitive, high volume task. Using the existing workflows already established by the customer, Shai™ was trained with the customer's business rules and able to sort, code, and organize their data. With proper workflows and historical data, Shai™ is able to perform this function entirely free of human interaction.

Innovate

During the workflow scoping process, NCI determined that Shai™ could save this organization more than 180 hours per week, performing a minimum of 3,662 actions per day. After initial testing, NCI reached a confidence level of 85 percent with access to 100k data points and was able to quality improve to 96 percent and counting with additional data. This allows Shai™ to automate an important data function for the customer and places her in a position where her error rate will be better than her human colleagues.

Easy Implementation

No new tools, system replacement, APIs, or software required

Security Focused

Designed to house and safeguard sensitive information

Risk Mitigation

Dual-redundant bot deployment to reduce vulnerabilities