Intelligent Document Processing for
Global Credit Rating Agency

CASE STUDY

About Client
A global credit rating agency

Industry
Financial services

Service
AI and Advanced Analytics

Business **Need**

The client needed automated solutions for analyzing financial statements, debt ratings, and published research to manage the massive volumes of data generated by financial risk assessment.

Business **Challenge**

The client faced several challenges in the financial assessment processes, including:

▼ Processing large volumes of financial risk assessment data

▼ Analyzing unstructured data from various sources and formats

▼ Extracting relevant information from multiple document types
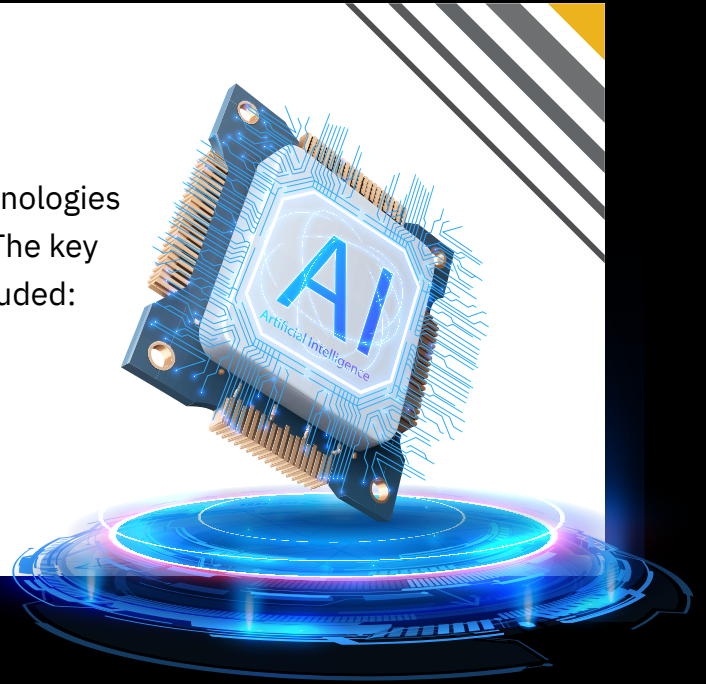
Business **Solution**

To address the client's complex requirements, NSEIT designed a comprehensive AI-driven approach that transformed their document processing capabilities. Key features include:

◥ Developed a cognitive AI system using unstructured data processing techniques

◥ Implemented Natural Language Processing (NLP) powered by Findability Platform®

◥ Created a system capable of accepting multiple input formats (spreadsheets, PDF, etc.)

◥ Extracted relevant information, including tables, keywords, and crucial insights

◥ Utilized proprietary search tree algorithms to ensure the accuracy of extracted information

Technology **Stack**

Our solution leveraged cutting-edge technologies to deliver a robust and efficient system. The key components of our technology stack included:

◥ Findability Platform®
◥ Natural Language Processing (NLP)
◥ Proprietary search tree algorithms

Project **Differentiator**

The unique combination of advanced features and customized functionality set our solution apart. The key differentiators included:

◥ Ability to process multiple document formats

◥ Use of advanced NLP techniques

◥ Implementation of proprietary algorithms for accuracy

Business **Impact**

Implementing our intelligent document processing system significantly improved the client's operations. The overall business impact included:

01 — Automated multiple repetitive tasks

02 — Accelerated the generation of structured reports by combining information from multiple sources

03 — Reduced generation time for specific structured reports by up to 70%

Conclusion

Implementing an AI-powered system for intelligent document processing significantly improved the efficiency of financial risk assessment for the global credit rating agency. The solution drastically reduced report generation time by automating repetitive tasks and quickly analyzing diverse document types, enabling faster and more accurate financial assessments.

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