

Accelerating Business Transformation

Empowering innovation with AI



About

Data Science Dojo is a trusted consulting services provider and solution integrator specializing in AI, Generative AI, and Large Language Model applications.

With over a decade of experience in the data science domain, we have established ourselves as a pioneering force in the industry. Our mission is to transform complex challenges into lucrative opportunities for our clients by offering tailored consulting services that maximize their business potential.

Microsoft Partnership



DATA & AI

DIGITAL & APP INNOVATION

Data Science Dojo is a certified Microsoft Cloud Solutions Partner in Data and AI, and Digital and Applications Innovation.

We have deep expertise in machine learning, AI, generative AI and LLMs. Through our partnership with Microsoft, we delivered comprehensive and cutting-edge solutions to our clients globally. Data Science Dojo has established a strong track record and expertise in Azure Cognitive Services, Azure Open AI and the rest of the analytics, machine learning and AI stack. Our commitment to excellence and strong professional services background make us the ideal partner for businesses looking to leverage the power of Azure and AI technologies for their marketing and sales needs.

Trusted Globally

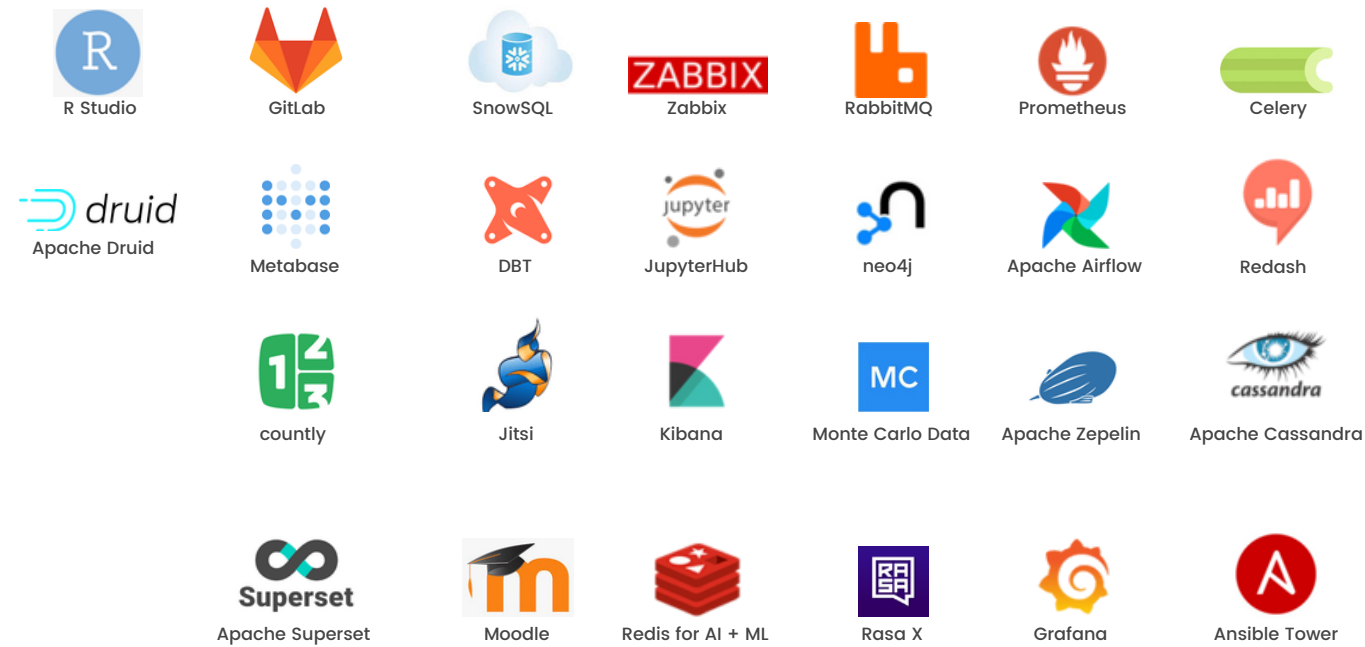
We are one of the most trusted names in data science training and consulting services, globally.

Leading companies in the world have relied on us for their training and consulting services needs

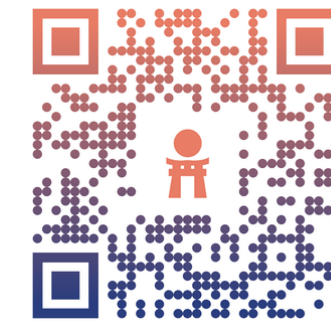
Azure Marketplace

One of the leading solution providers in Azure Marketplace



2.2M+
HOURS OF AZURE
CONSUMPTION

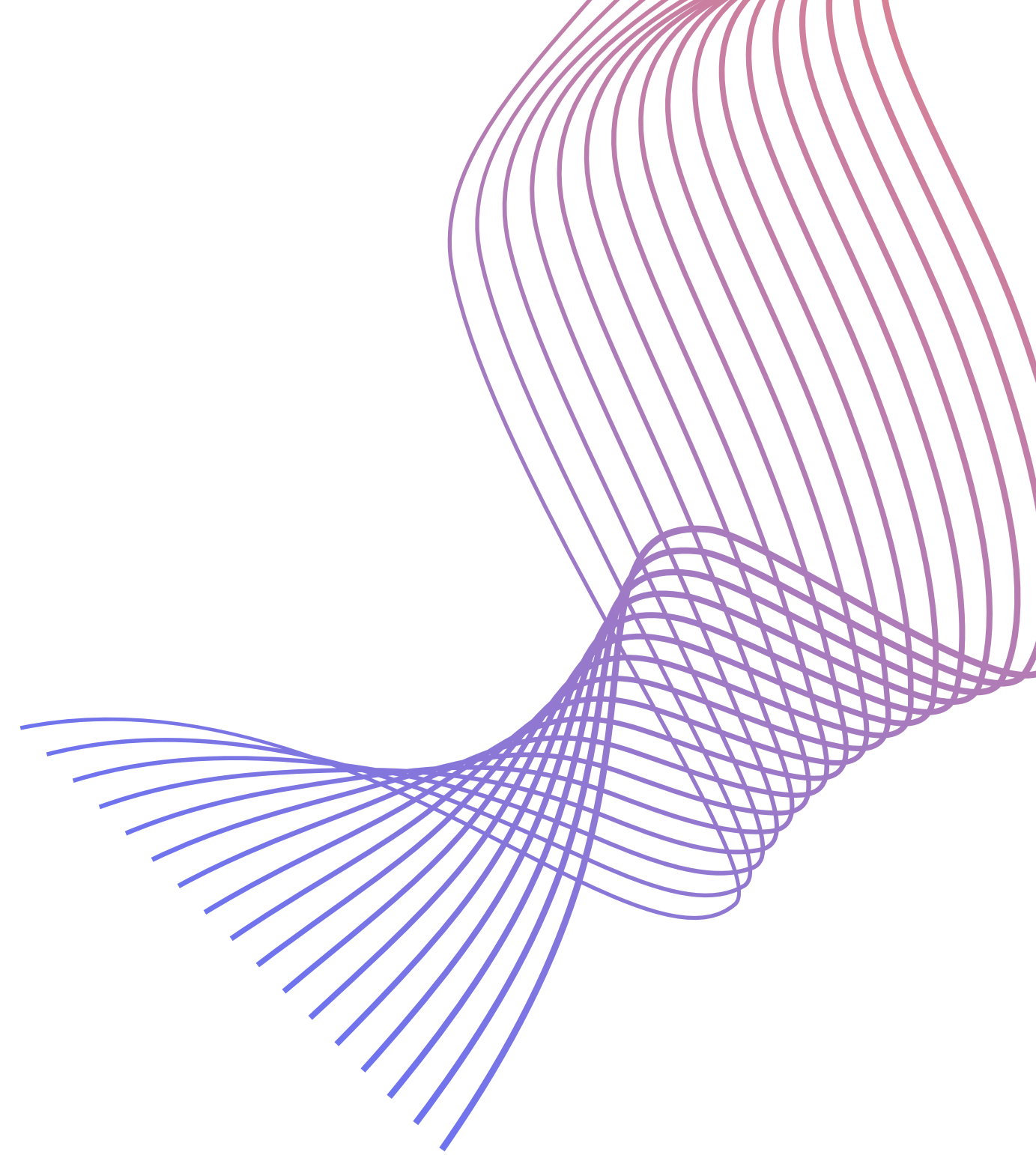
1500+
CUSTOMERS



<https://hubs.la/Q01SnXDY0>

Customer Showcase

Featured Generative AI and Machine Learning Projects



Insurance and Benefits

LLM-powered Insurance Plan Comparisons and Insights

Business Problem

One Digital, an insurance, financial services, and HR platform, faced the challenge of manual document review for their marketing and sales professionals.

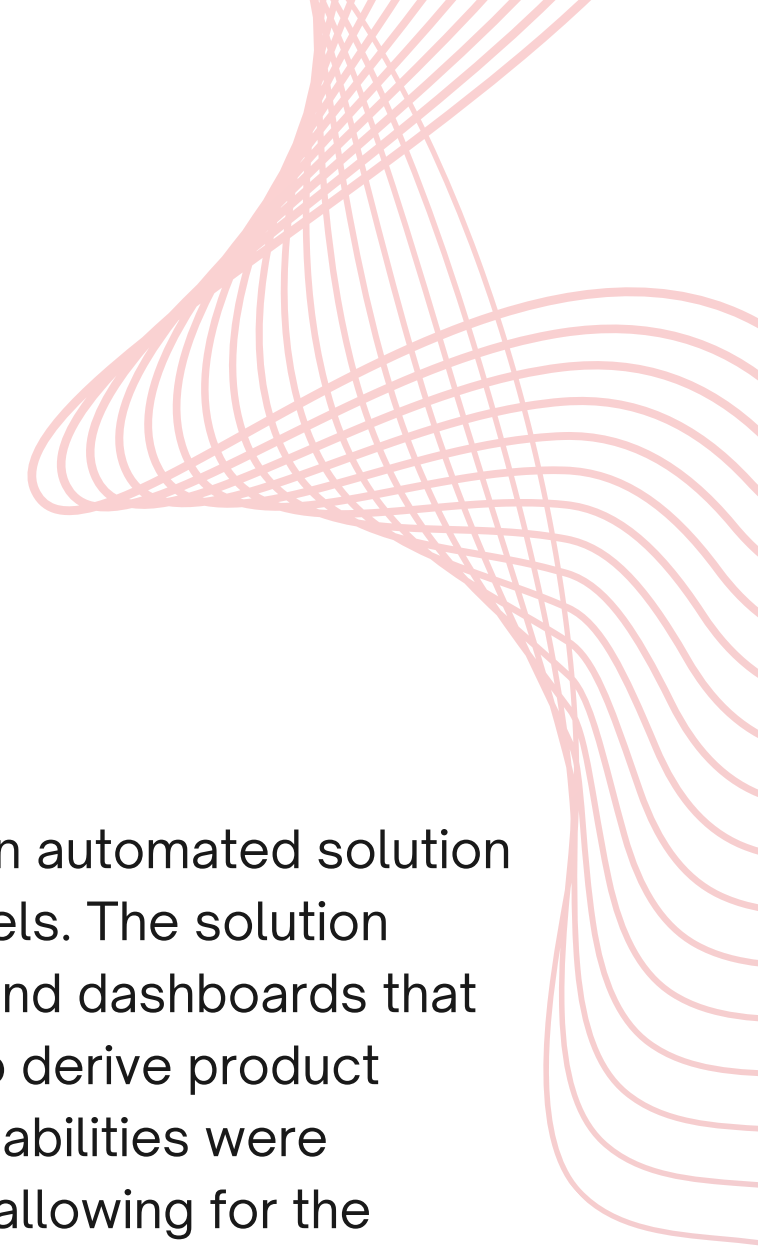
With thousands of documents to review, it was time-consuming and inefficient to manually extract relevant information for creating compelling marketing and sales documents.

Technical Overview

To address this problem, we implemented an automated solution using generative AI and large language models. The solution involved developing conversational agents and dashboards that analyzed tens of thousands of documents to derive product insights. Semantic search and reasoning capabilities were implemented to facilitate document review, allowing for the extraction of summaries and plan comparisons.

Technologies Used

Azure AI Search
Azure OpenAI
Azure OCR
LangChain
Power BI



Healthcare

Automated Extraction of HIPAA Identifiers

Business Problem

AdaptHealth, a network of full-service medical equipment companies, sought to streamline its document review process, particularly in handling sensitive healthcare documents containing HIPAA identifiers. The manual extraction of these identifiers was time-consuming and prone to errors, impacting operational efficiency and compliance.

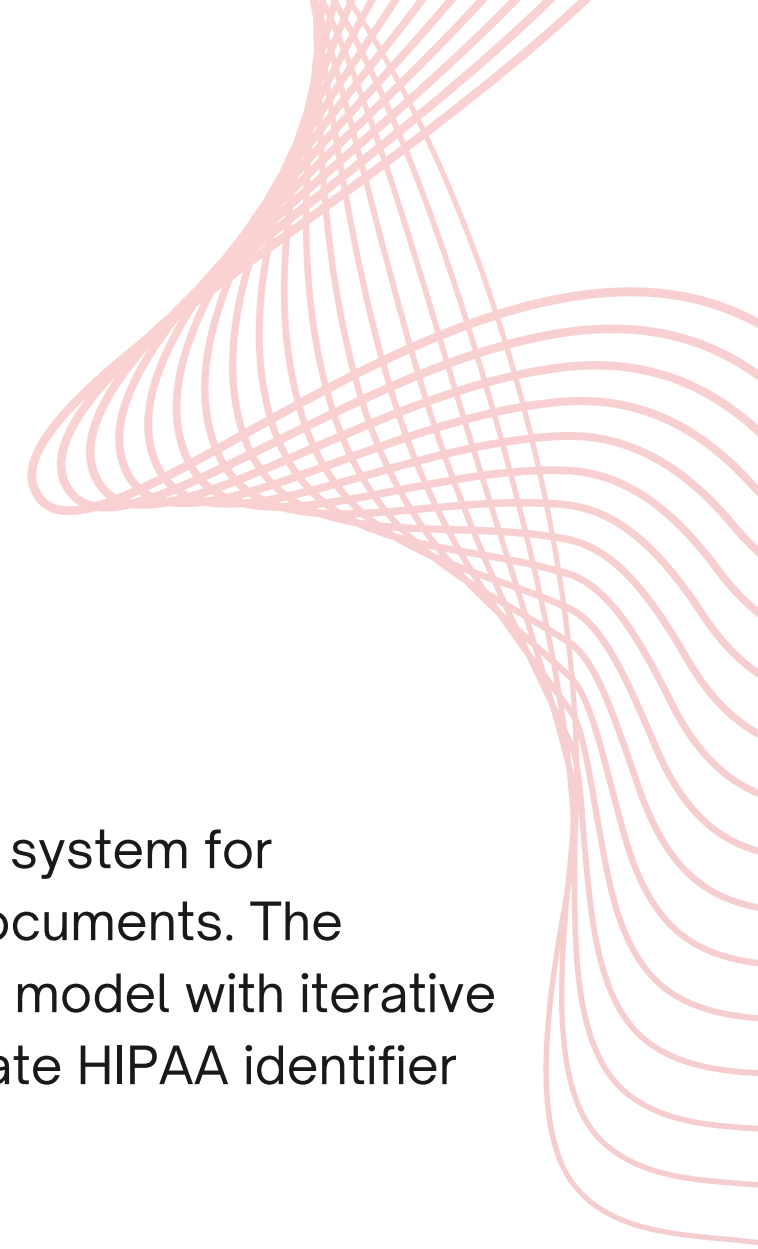
AdaptHealth needed an automated solution to extract HIPAA identifiers accurately and quickly from scanned documents.

Technical Overview

Data Science Dojo developed an automated system for extracting HIPAA identifiers from scanned documents. The solution included a custom neural document model with iterative training and feedback loops, enabling accurate HIPAA identifier extraction.

Technologies Used

Azure Document Intelligence
Neural Document Model
Azure OCR
Azure Bastion
Virtual Machines



Human Resources

Personnel Rotation Decision Support System

Business Problem

The International Organization for Migration (IOM), a global inter-governmental entity, faced a significant operational challenge in their candidate review and placement process. The manual nature of evaluating candidates' profiles and post-matching was time-consuming and hindered efficient decision-making.

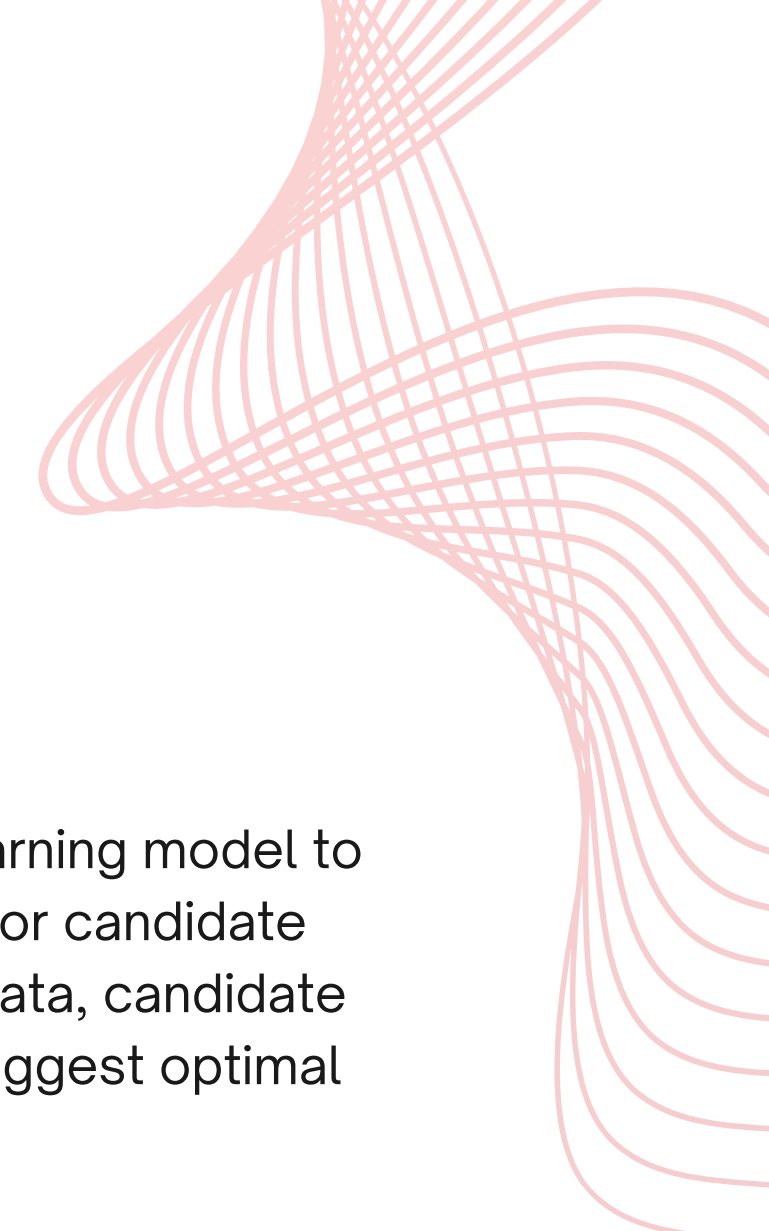
IOM sought an innovative solution to semi-automate their rotation process, enhance candidate review, and streamline post-matching operations.

Technical Overview

Data Science Dojo developed a machine learning model to provide similarity-based recommendations for candidate placement. This model analyzed historical data, candidate preferences, and organizational needs to suggest optimal placement recommendations.

Technologies Used

Azure Machine Learning
Azure App Services
Azure OCR
Azure Cosmos DB



Non-Profit

Grants Management System for Migration Governance

Business Problem

The International Organization for Migration (IOM) faced complex challenges in managing its grants activity cycle efficiently. Manual processes hindered collaboration, timely decision-making, and the accurate tracking of budgets, outcomes, beneficiaries, and financial information.

IOM needed a comprehensive solution to modernize their grants management, streamline operations, and enable data-driven insights.

Technical Overview

Data Science Dojo developed a grants management system built on an N-tier application architecture with features like data isolation, and role-based access control, revolutionizing how grants were managed, leading to streamlined operations and enhanced collaboration.

Technologies Used

- Azure App Services
- Azure Active Directory B2C
- Azure Front Door
- Azure Maps
- Azure Key Vault
- Azure SQL Server
- Redis Cache



Pharmaceutical

Data modernization on Synapse

Business Problem

The client needed to improve data management and analytics capabilities throughout the drug lifecycle.

As a leading global CDMO (Contract Development and Manufacturing Organization), Cambrex handles a vast amount of data related to drug substance, drug product, and analytical services. However, their existing data systems were outdated and lacked the necessary capabilities to efficiently manage and analyze this data.

Technical Overview

To address these challenges, Cambrex embarked on a data modernization project with Data Science Dojo that involved shifting to SAP and adopting cloud-based data management and analytics tools. The technical overview of the solution included the following components: Azure Synapse Analytics, Azure Synapse Data Warehouse, and Power BI.

Technologies Used

Azure Synapse Analytics
Azure Data Lake
Azure SQL Pools
Power BI
SAP



Healthcare

Workforce Infrastructure modernization

Business Problem

Peninsula Health, a growing public healthcare company in Australia, was experiencing high employee attrition due to outdated internal systems. They needed a solution to address this issue and improve their overall workforce management.

Technical Overview

Peninsula Health partnered with Data Science Dojo to implement a comprehensive solution. They deployed the Healthcare DREAM demo, which provided a single platform for monitoring, analyzing, collecting, and distributing data within the organization.

Additionally, they utilized Azure Purview, a data governance tool, to create a data map that mirrored the hospital's organizational structure. This allowed them to assign data owners, experts, stewards, and track data lineages for better data management.

Technologies Used

Azure AI Search
Azure Document Intelligence
Azure Synapse Analytics
Azure Purview
Power BI



Manufacturing

Unified Data Platform for manufacturing operations

Business Problem

Doosan Group, a South Korean multinational conglomerate corporation, faced challenges with slow and late analytics, inaccurate data, and low visibility due to legacy systems.

To achieve their strategic growth goals, they needed a solution to develop a unified data and AI platform that could provide real-time insights, accurate data, and enhanced visibility into their manufacturing operations.

Technical Overview

To address the business problem, a comprehensive solution was implemented for Doosan Group. The solution involved the development of a unified data and AI platform that integrated various technologies to enable real-time analytics, accurate data processing, and improved visibility into manufacturing operations.

Leveraging these technologies allowed the Doosan Group to make data-driven decisions, optimize their operations, and drive strategic growth.

Technologies Used

Azure AI Search
Azure Synapse Analytics
Azure Machine Learning
Power BI



Marketing

Improving efficiency in sales and marketing

Business Problem

Joe Gibbs, an American professional stock car racing organization, faced challenges in managing their sales and marketing collateral. The scattered collateral made it difficult to transfer knowledge when sales and marketing staff churned, leading to inefficiencies and decreased productivity.

The client needed a solution to streamline and organize their collateral to improve knowledge transfer and enhance operational efficiency.

Technical Overview

To address the business problem, a comprehensive solution was developed for Joe Gibbs. The solution involved creating a semantic search index to organize and manage all the marketing collateral, including emails, documents, and other relevant materials. The index was built using Azure Cognitive Search, which allowed for efficient and accurate search capabilities across the entire collection of collateral.

Technologies Used

Azure AI Search
Azure Synapse Analytics
Microsoft Graph API
Azure App Services



Contact Us

We are always here to talk to you and understand your business needs



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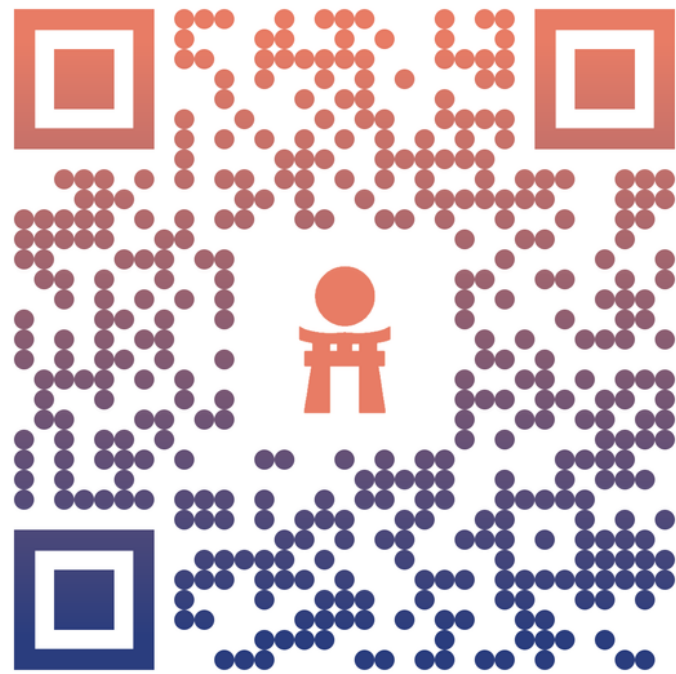
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Learn more about our generative
AI and LLM services



<https://hubs.la/Q01Sph450>

Thank you!

Feel free to approach us if you have any
questions.

[Check out our active communities of data science professionals](#)

