OPEN AI APPLICATIONS FOR RETAIL SECTOR (3 WEEK ASSESSMENT)

AI is driving a transformative wave across industries, and at Nous, we provide more than 2,000 customized AI solutions. Specifically, within the retail sector, our repertoire encompasses over 200 distinct AI use cases that enhance operational efficiency and elevate customer experiences, ultimately resulting in cost efficiencies and a paradigm shift within the industry.

AI is reshaping businesses across industries. Nous provides customized AI solutions to meet unique industry needs. With a portfolio of more than 200 pre-existing AI use cases, we comprehensively address a broad spectrum of industry requirements. However, we are also committed to flexibility ready to craft additional bespoke solutions to precisely match our clients' unique needs.

Below is a snapshot of the top use cases of AI in the Retail industry:

AI for inventory management and supply chain

AI can help retailers achieve this by providing accurate demand forecasting, automated replenishment, dynamic pricing, and intelligent logistics

Demand forecasting

AI can improve demand forecasting by analyzing large amounts of data from various sources, such as sales history, weather, seasonality, trends, promotions, and customer behavior.

Automated replenishment

AI can optimize automated replenishment by using demand forecasts to determine the optimal quantity and timing of orders and the best suppliers and delivery routes. AI can also monitor inventory levels and adjust orders in real-time based on demand or supply conditions changes.

Dynamic pricing

AI can enable dynamic pricing by analyzing data from multiple sources, such as competitors' prices, customer segments, purchase history, loyalty programs, and online behavior.

Intelligent logistics

AI can enhance smart logistics by using data from sensors, GPS, cameras, and other devices to track and optimize the movement of goods and vehicles. AI can also use natural language processing (NLP) and computer vision to automate tasks such as scanning barcodes, reading invoices, and verifying deliveries.

AI for customer experience and personalization

AI can help retailers achieve this by offering personalized recommendations, tailored promotions, conversational agents, and augmented reality.

ASSESSMENT PROGRAM AND OUTCOME

As part of this offering, Nous lets the customer choose a use case from our industry-wise use case catalog or a use case specific to a Customer. It creates a POC, demonstrating the implementation of Azure OpenAI and how the same can accelerate a Business Process and bring efficiency improvement.

A typical POC program plan will look like the following:

Week 1: Define the AI/ML use case and scope the POC

- Work with the customer to understand their business problem, data sources, success criteria, and expected outcomes.
- Identify the relevant Azure openAI services and tools that can be used to address the use case.
- Document the POC scope, objectives, timeline, and roles and responsibilities in a POC charter.
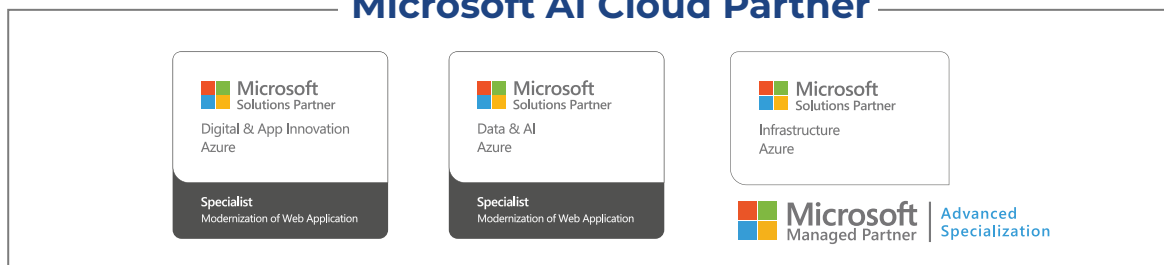
Week 2: Develop and test the AI/ML solution

- Use the Azure openAI services and tools to build and train the AI/ML models for the use case.
- Integrate the models with the customer's data sources and applications, and test the solution for functionality, performance, and accuracy.
- Document the solution architecture, design, code, and test results in a POC report.

Week 3: Deploy and evaluate the AI/ML solution

- Deploy the solution to the customer's Azure environment and enable them to use it in their business scenarios.
- Monitor and measure the solution's impact on the customer's key performance indicators (KPIs) and compare them with the success criteria defined in the POC charter.
- Document the deployment steps, evaluation results, lessons learned, and recommendations for next steps in a POC summary.

Microsoft AI Cloud Partner

Microsoft Solutions Partner
Digital & App Innovation
Azure
Specialist
Modernization of Web Application

Microsoft Solutions Partner
Data & AI
Azure
Specialist
Modernization of Web Application

Microsoft Solutions Partner
Infrastructure
Azure

Microsoft Managed Partner | Advanced Specialization