



OPEN AI APPLICATIONS FOR HEALTHCARE (3 WEEK ASSESSMENT)

Nous leads the industry with 2,000+ AI use cases, with over 200 tailored for healthcare. From enhancing imaging to streamlining administration, our AI solutions are reshaping healthcare, promising significant improvements in patient care and industry efficiency.

The versatility of AI knows no bounds, and Nous recognizes that one size does not fit all when it comes to AI solutions. Industries have distinct challenges and unique requirements, so Nous offers an extensive library of over 200 pre-designed use cases to cater to a wide range of requirements of the Healthcare industry. We are also deeply committed to delivering bespoke, tailor-made solutions to address the unique demands of cases where off-the-shelf offerings may not fully meet the requirements.

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

Medical imaging

AI can help analyze medical images such as X-rays, CT scans, MRI scans, and ultrasound images to detect abnormalities, measure anatomical features, and provide diagnosis. AI can also assist radiologists and other specialists in interpreting the images and making decisions.

Drug discovery

AI can help accelerate the discovery of new drugs and test their efficacy and safety. AI can also help design novel molecules, optimize drug candidates, and predict potential side effects and interactions.

Disease prediction and prevention

AI can help predict the risk of developing certain diseases and conditions based on genetic, environmental, and lifestyle factors. AI can also help prevent or delay the onset of diseases by providing personalized recommendations and interventions.

Telemedicine

AI can enable remote delivery of healthcare services through online platforms, mobile apps, chatbots, and wearable devices. AI can help monitor patients' vital signs, symptoms, and behaviors, provide diagnosis and treatment advice, and facilitate communication with healthcare providers.

Healthcare administration

AI can help automate and optimize various administrative tasks in healthcare, such as scheduling appointments, billing, coding, claims processing, and fraud detection. AI can also help improve patient satisfaction and loyalty by providing timely and accurate information and feedback.

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.

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