Chatbot Deployment with IBM Cloud Watson Assistant

Phase 2: Innovation

Project Objectives:

This document provides a step-by-step guide for deploying a chatbot using IBM Cloud Watson Assistant. Watson Assistant is a powerful AI-powered chatbot development platform that allows you to create conversational interfaces for various applications.

Creating a Watson Assistant Service:

From the IBM Cloud Dashboard, click on "Create Resource". In the "Search the catalog" field, type "Watson Assistant" and select the service.Follow the prompts to set up your Watson Assistant service.Once created, navigate to your Watson Assistant service from the Dashboard.

Building and Training the Chatbot :

In the Watson Assistant service, click on "Skills" from the left-hand menu.Create a new skill and add intents, entities, and dialog nodes to define the behavior of your chatbot.Train the chatbot using sample user inputs and responses to improve its performance.

Testing the Chatbot :

Use the IBM Cloud Watson Assistant interface to test your chatbot with sample inputs.Integrate the chatbot into your application and conduct thorough testing to ensure it functions as expected.

Monitoring and Analytics:

Set up monitoring for your Watson Assistant service to track usage and performance metrics.Utilize the built-in analytics tools to gain insights into user interactions and improve the chatbot's effectiveness.

The Basic concept of NLU :

Natural Language Understanding (NLU) is the ability of a computer to understand human language. With this concept we can use the Natural language Understanding , we can develop our chatbot as the real person reply
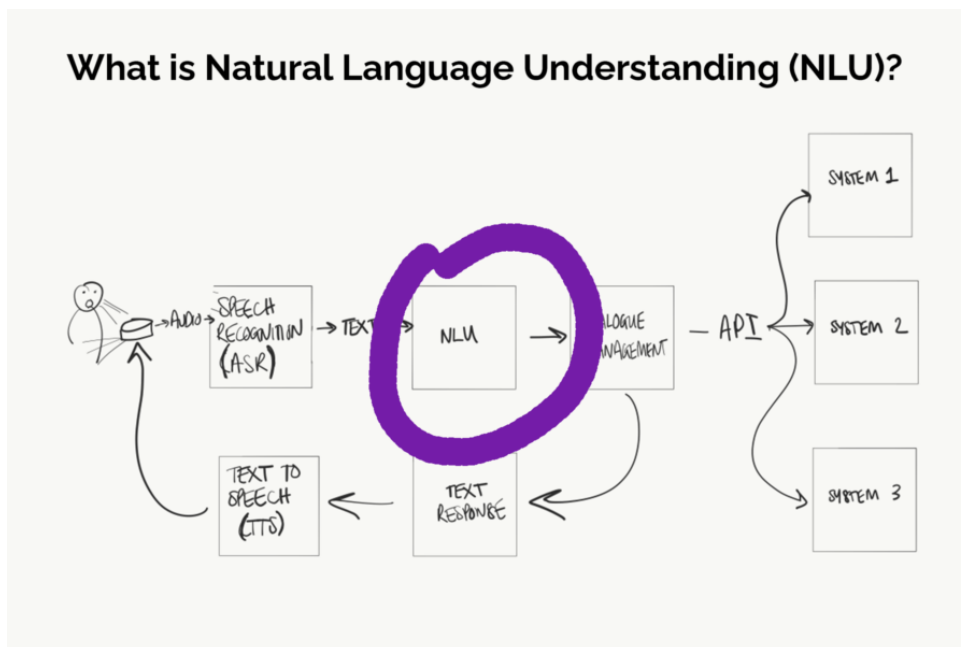

Application of NLU :

'MY AI ' is the best example for the Chatbot and it is created by the snapchat . The chatbot is used in various types of fields as the Customer chat on the various company sites .

Project Description:

In our Project we are making a Chatbot with IBM watson . Watson is an question-answer computer system capable of answering the questions in Natural Language by using the NLU(Natural Language Understanding)

As shown as the below picture :

LANGUAGE TECHNOLOGY
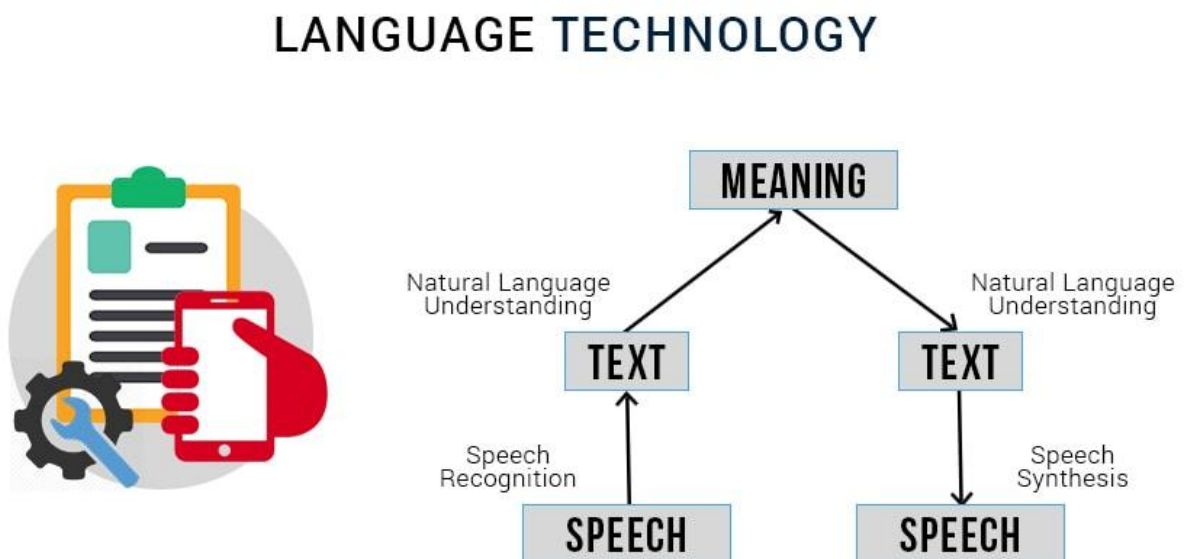
Conclusion:

We have deploying a chatbot using IBM Cloud Watson Assistant. Continuously monitor and update your chatbot to enhance its capabilities and provide a seamless user experience.