

# Introduction to Natural Language Processing

## Applications of AI

# Chatbots

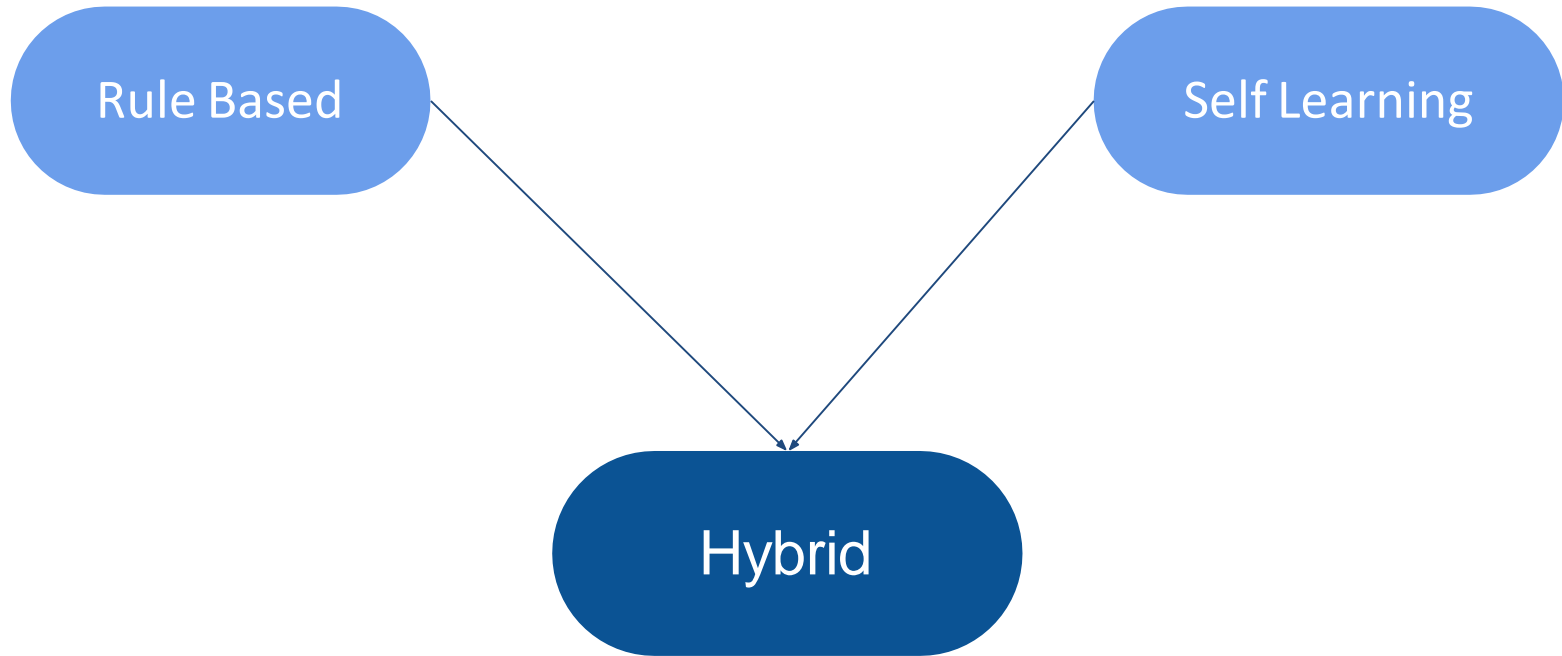
# What is a Chatbot?

---

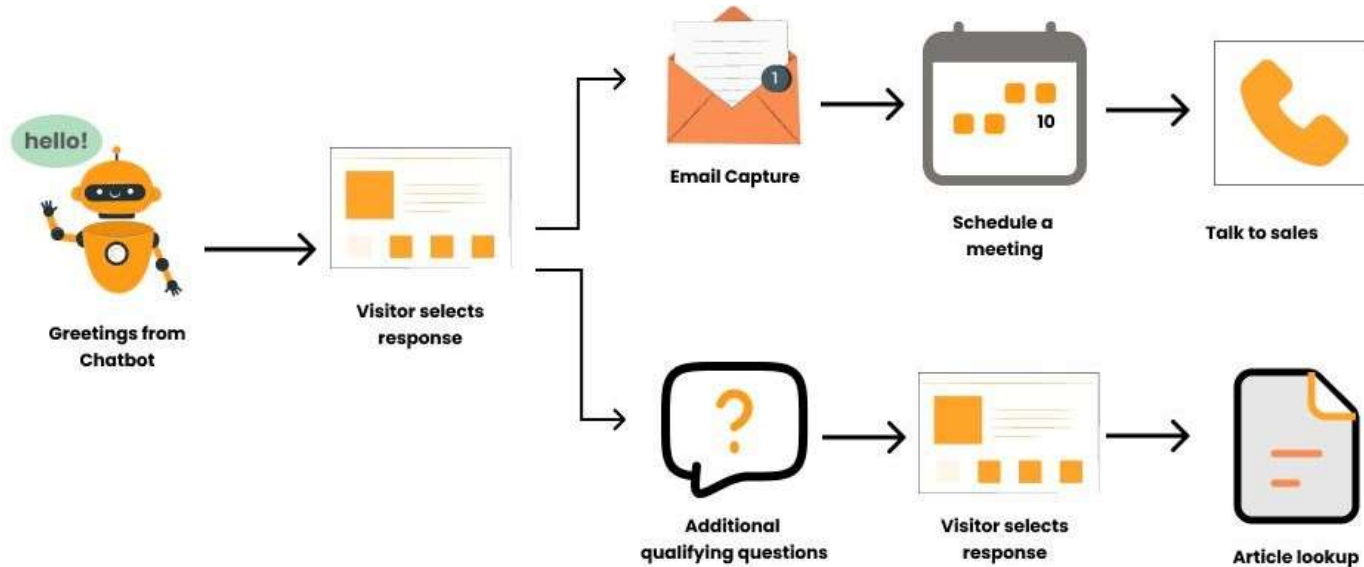
- A chatbot or bot is a software program that mimics the conversation between two humans.
- A chatbot interprets and processes the words or phrases of the user and offers an instant answer.

# Types of Chatbots

---



# Rule-based Chatbot



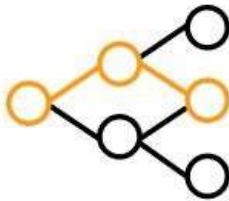
# Self Learning-AI based Chatbot

Customer



"Hi, I am planning to go abroad and I want to use the internet and make calls, can you help me out?"

Test Classifier



AI Classifies the intent 'Roaming Inquiry'

AI Chatbot



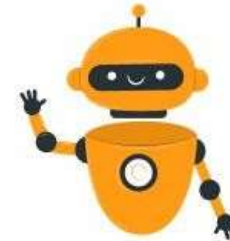
'Which specific region are you interested in?'

Customer



'I'm Going to Spain'

AI Chatbot



'I have checked your number and can activate roaming for the selected region. Do you confirm this operation?'

# Applications of Chatbot

---



# Summary

---

- NLP, its types and applications
- Text mining, and applications
- Chatbot, types and applications and chatbot creation



# Thank You!