

Natural Language Processing (NLP)

Natural Language Processing is a branch of artificial intelligence that focuses on the interaction between computers and humans through natural language. It enables computers to understand, interpret, and generate human language, facilitating tasks such as language translation, sentiment analysis, text summarization, and speech recognition. NLP techniques include tokenization, part-of-speech tagging, named entity recognition, syntactic parsing, and semantic analysis. NLP applications span across various domains, including virtual assistants, chatbots, information retrieval, and machine translation.