

PRESENTATION

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**TOPIC::APPLICATION OF AI IN NATURAL
LANGUAGE PROCESSING**

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Application of AI in Natural Language Processing

Overview of how Artificial Intelligence enhances NLP tasks, enabling machines to understand and generate human language.



APPLICATIONS OF NLP'S

- LANGUAGE TRANSLATION
- SENTIMENT ANALYSIS
- CHATBOTS AND VIRTUAL ASSISTANTS
- TEXT SUMMARIZATIONS
- SPEECH RECOGNITION



LANGUAGE TRANSLATION

AI models like Transformers help translate text between languages with high accuracy.

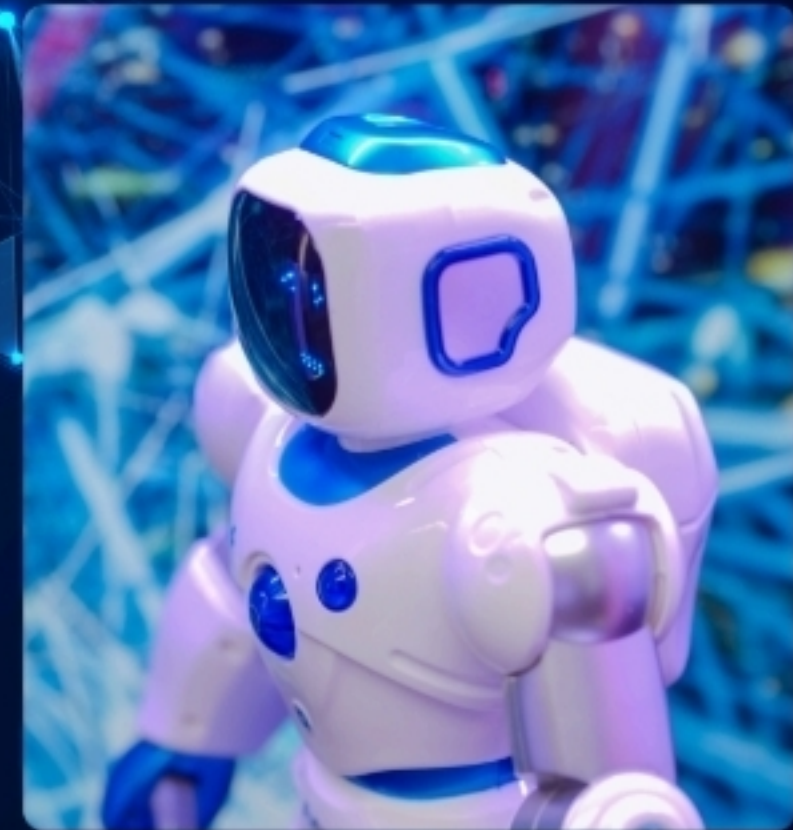
Examples: Google Translate, Deep Learning.



SENTIMENT ANALYSIS

AI analyzes emotions, opinions, and attitudes in text.

Used in customer feedback, social media monitoring.



CHATBOTS & VIRTUAL ASSISTANTS

AI powers chatbots that understand queries and provide human-like replies.

Used in customer service, apps, and websites.



TEXT SUMMARIZATION

AI summarizes long articles into short meaningful summaries.

**Used in research,
news, education.**



SPEECH RECOGNITION

AI converts spoken language into text.

Used in voice assistants, dictation apps, call centers.



THANK
YOU

