"Natural Language Processing is all about mimicking and interpreting the complexity of our natural, spoken, conversational language"

Predictive Text, **Speech Recognition**, and **Language Translation** are contributions of **Natural Language Processing** (NLP). Compared to the 1980s, current NLP rely on clouds to facilitate better understanding with larger resources and space to perform machine learning, data analysis, as well as deep learning. However, relying on words itself is not the key to precision. **Sentiment Analysis** and **Facial Expression Analysis** are two key factors that enhance the precision of the natural language interpretation. Therefore, in the future, NLP will be one of the mainstreams and infiltrate in our lives deeply.

Nowadays, NLP exists in **Predictive Texts** and **Speech Recognition**. e.g., "swipe right to finish the sentence" and "voice search"

NATURAL LANGUAGE PROCESSING

A PROSPECTIVE FUTURE OF COMPUTER AND DATA SCIENCE

Facial Expression Analysis and Sentiment analysis together can assist NLP with better understanding and giving an optimal result

PROSPECTS

Prospects of NLP cover various fields. e.g. analyzing customer's needs, voice controlled automobiles and gadgets, assistance in speech impairment and so much more.

Sources:
Jacek Żmudziński. "The future of natural language processing." Future Processing, 29 March 2021,
https://www.future-processing.com/blog/the-future-of-natural-language-processing/.
Paramita (Guha) Ghosh. "The Future of NLP in Data Science." Data Topics, Dataversity, 6 December 2018,
https://www.dataversity.net/future-nlp-data-science/#.