

Use Case	Best Encoding Technique
Chatbots & Virtual Assistants	BERT, GPT
Search Engines	BERT, Word2Vec
Sentiment Analysis	BERT, Word2Vec, FastText
Text Summarization	BERT, T5
Machine Translation	BPE, SentencePiece, Transformer Models
Document Classification	TF-IDF, Word2Vec, FastText
Recommendation Systems	FastText, Word2Vec

Why?

Best for context-aware responses

BERT improves query understanding

BERT for accuracy, FastText for efficiency

T5 is optimized for text transformation

Helps with rare words & multilingual support

TF-IDF for small datasets, Word2Vec for deep learning

Word embeddings help in similarity-based recommendations