



EMOJIFY TEXT

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Todo:

This project takes user text input and generates emoji representations by capturing key concepts, emotions, and context.

Datasets:

GoEmotions Datasets



PROJECT OVERVIEW

- **Input:** A sentence or paragraph.
- **Process:** Tokenize → Analyze → Extract Keywords → Map Emojis → Generate Output.
- **Output:** Emojis that convey the text's meaning.

Example:

- Input: " I love hiking in the mountains during autumn"
- Output: " ❤️ 🥾 🏔️ 🍂 "

KEYWORD EXTRACTION

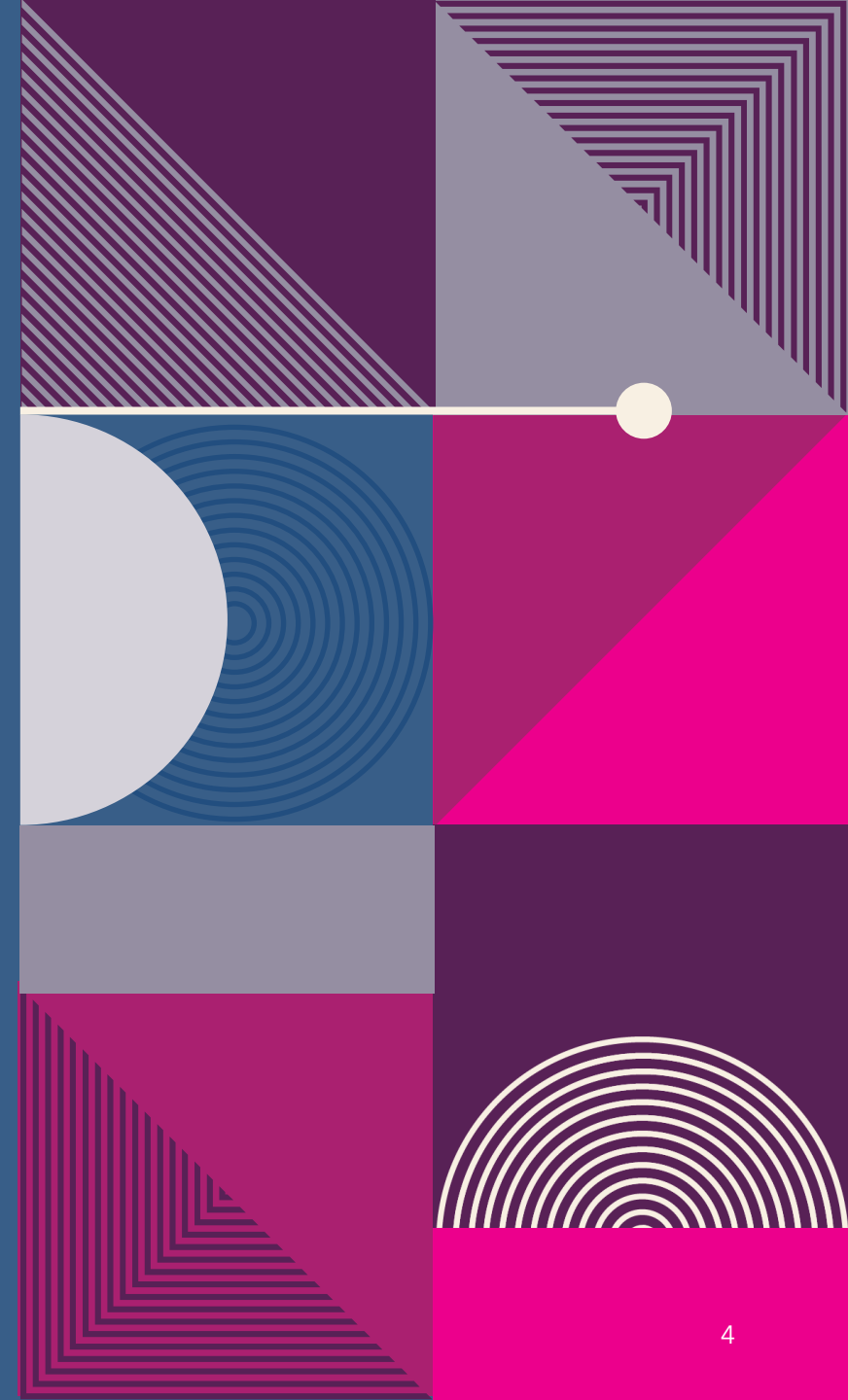
- **Methods:**

- TF-IDF (Term Frequency-Inverse Document Frequency)
- RAKE (Rapid Automatic Keyword Extraction)
- Named Entity Recognition (NER) using spaCy

EMOJI MAPPING

- **Methods:**

- Manual dictionary
- Semantic similarity: word2vec or FastText



SENTIMENT ANALYSIS

- Analyze sentiment and adjust emoji choice based on context.
- Examples: "I passed the exam" → 🎉 🎓 😊
- "I failed the exam" → 😞 📄
- Tools: Textblob, transformers

An abstract geometric design on the left side of the slide. It features a dark blue background with various geometric shapes and patterns. A white circle is positioned near the top left. Below it, a light blue semi-circle is visible. To the right of the semi-circle, there is a pink triangle with diagonal lines. Below the semi-circle, there is a pink square with a pattern of concentric lines. To the right of the square, there is a light blue triangle. Below the square, there is a pink triangle. To the right of the triangle, there is a dark blue triangle. The overall design is modern and minimalist.

THANK YOU