EMOJIFY TEXT

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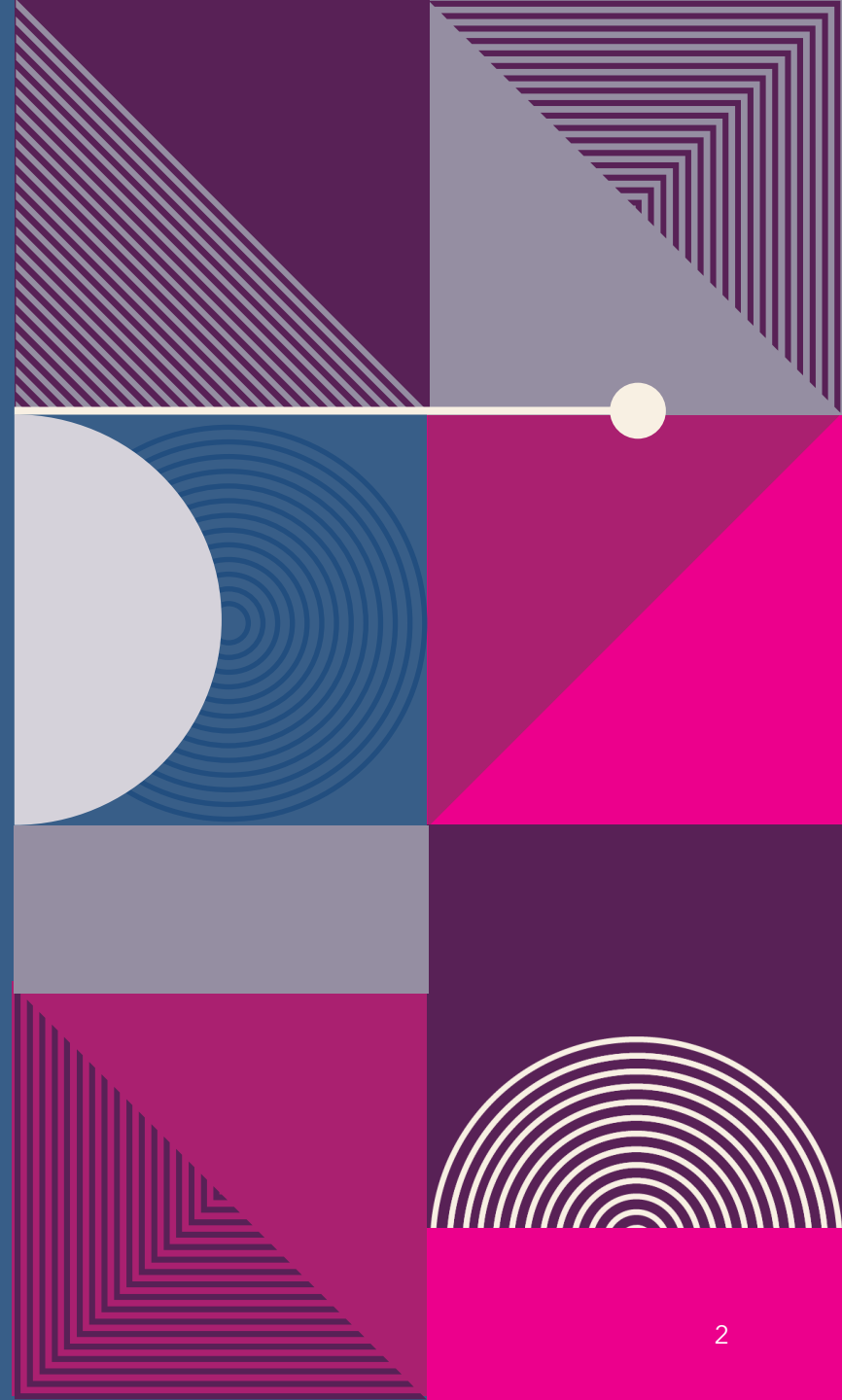
Todo:

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

Datasets:

GoEmotions Datasets

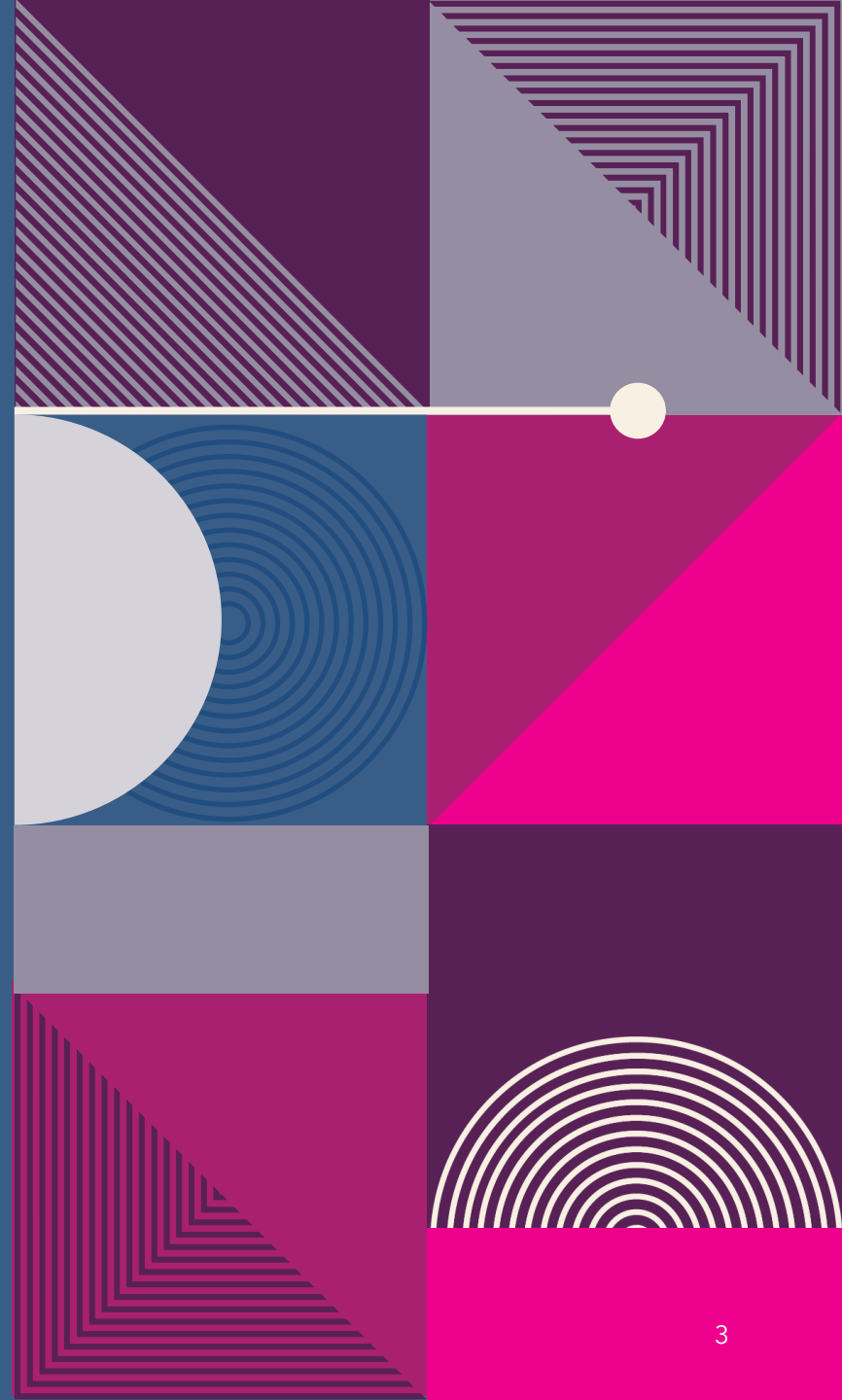


PROJECT OVERVIEW

- **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: " ❤️ 🥾 ⛰️ 🍂 "

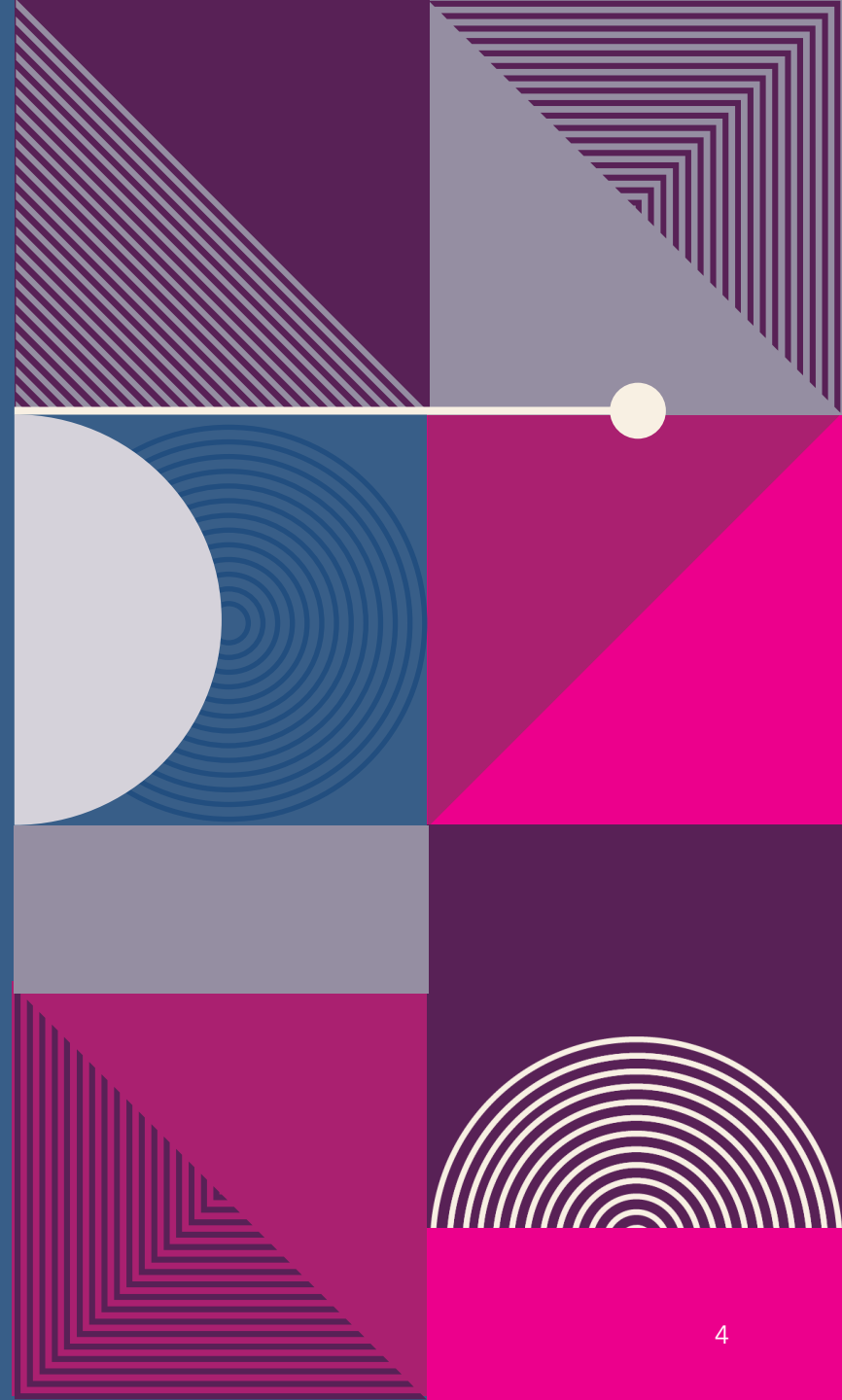


KEYWORD EXTRACTION

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

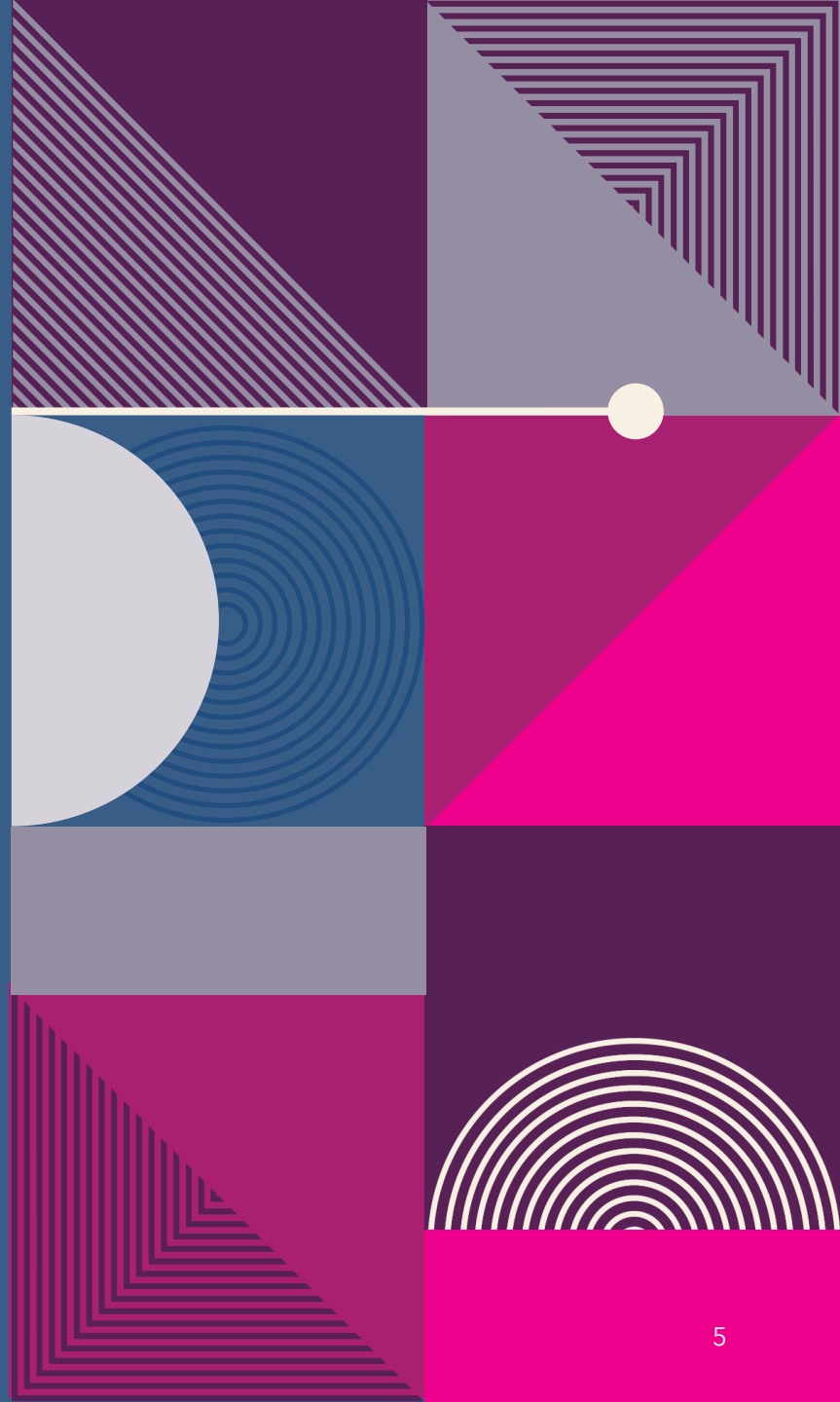
EMOJI MAPPING

- **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



THANK YOU