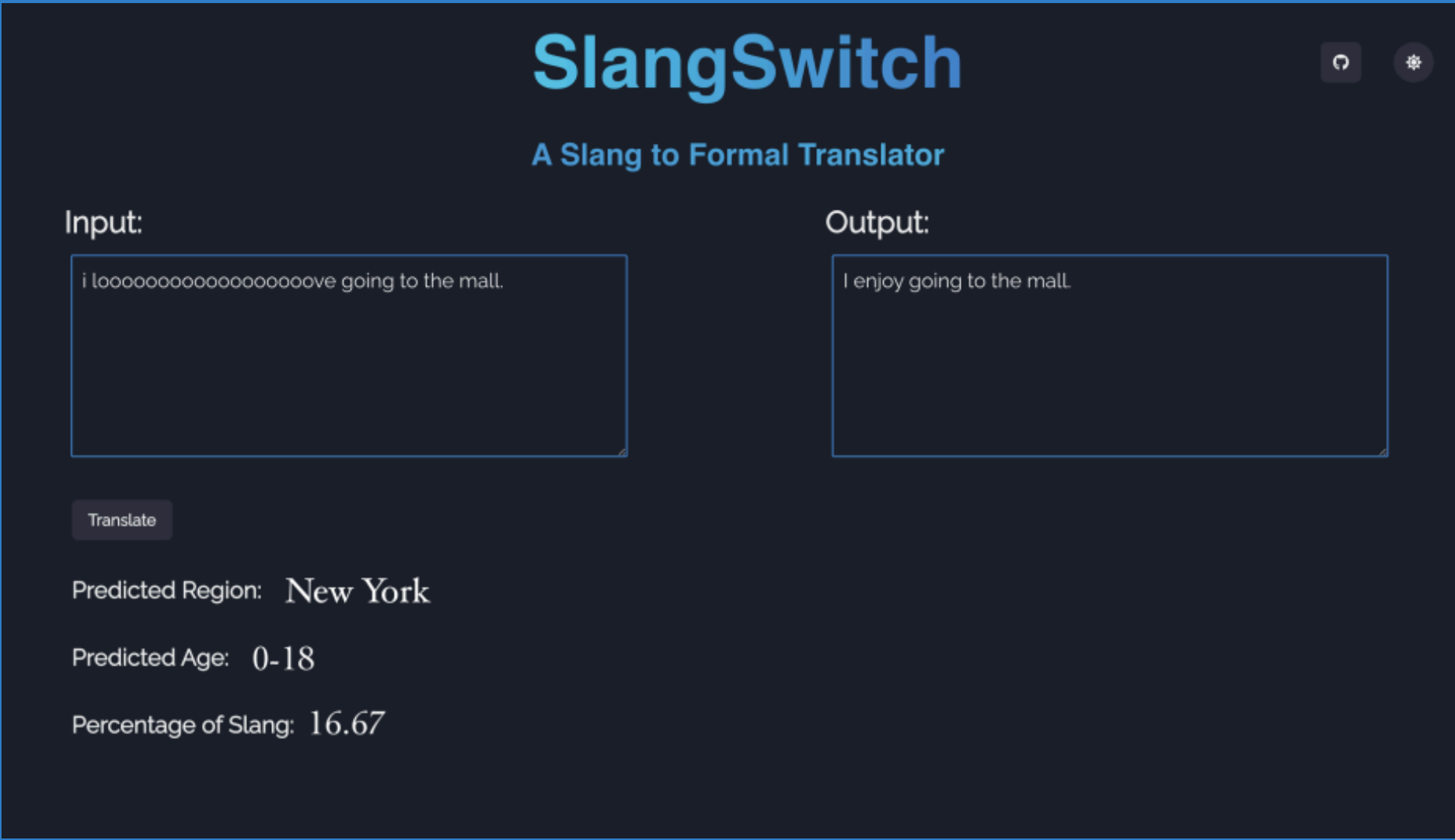
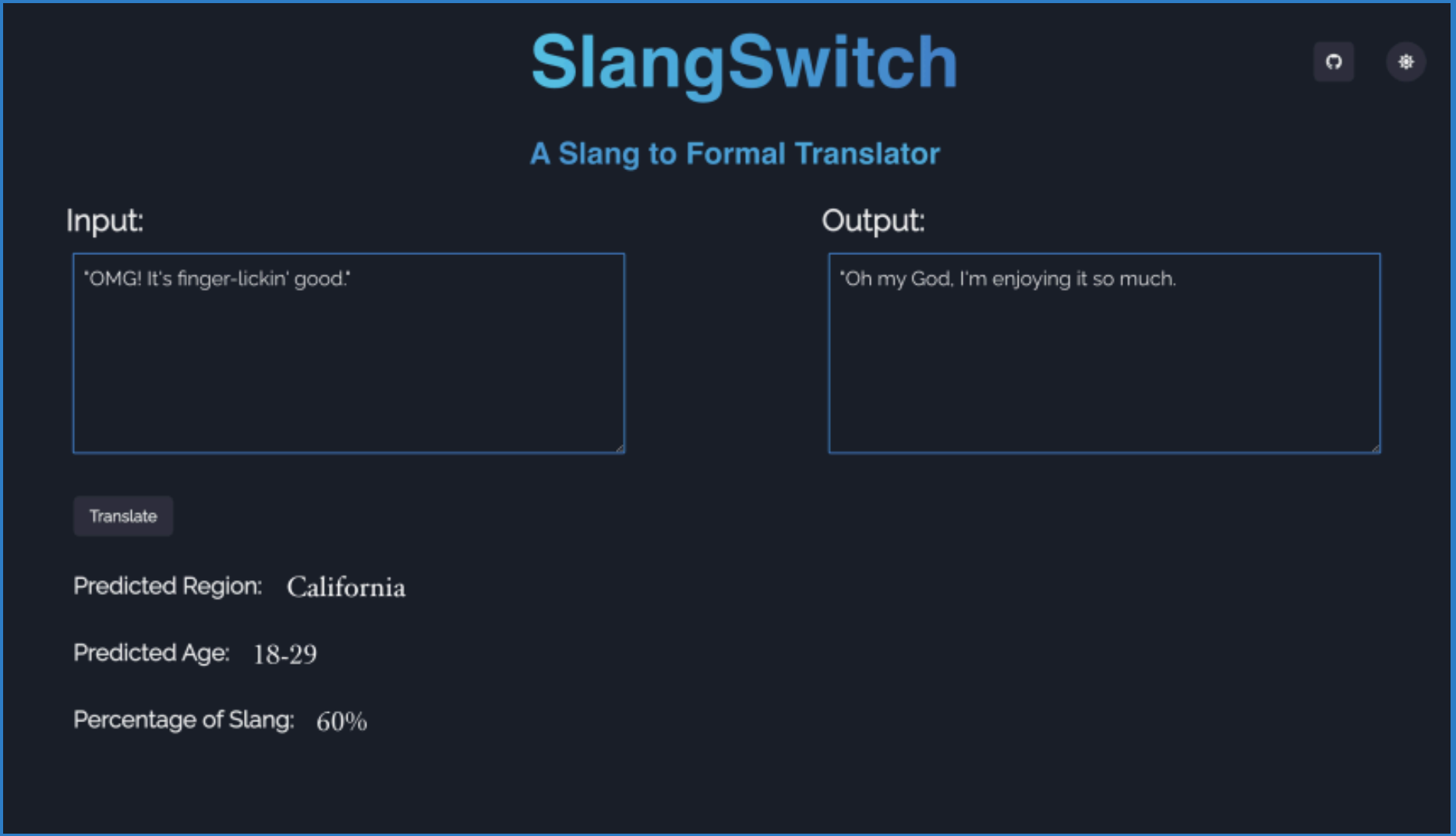


SlangSwitch

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Objective

- Translate slang into more formal text
- Analyze demographic predictors such as regional and age-based identification based on language

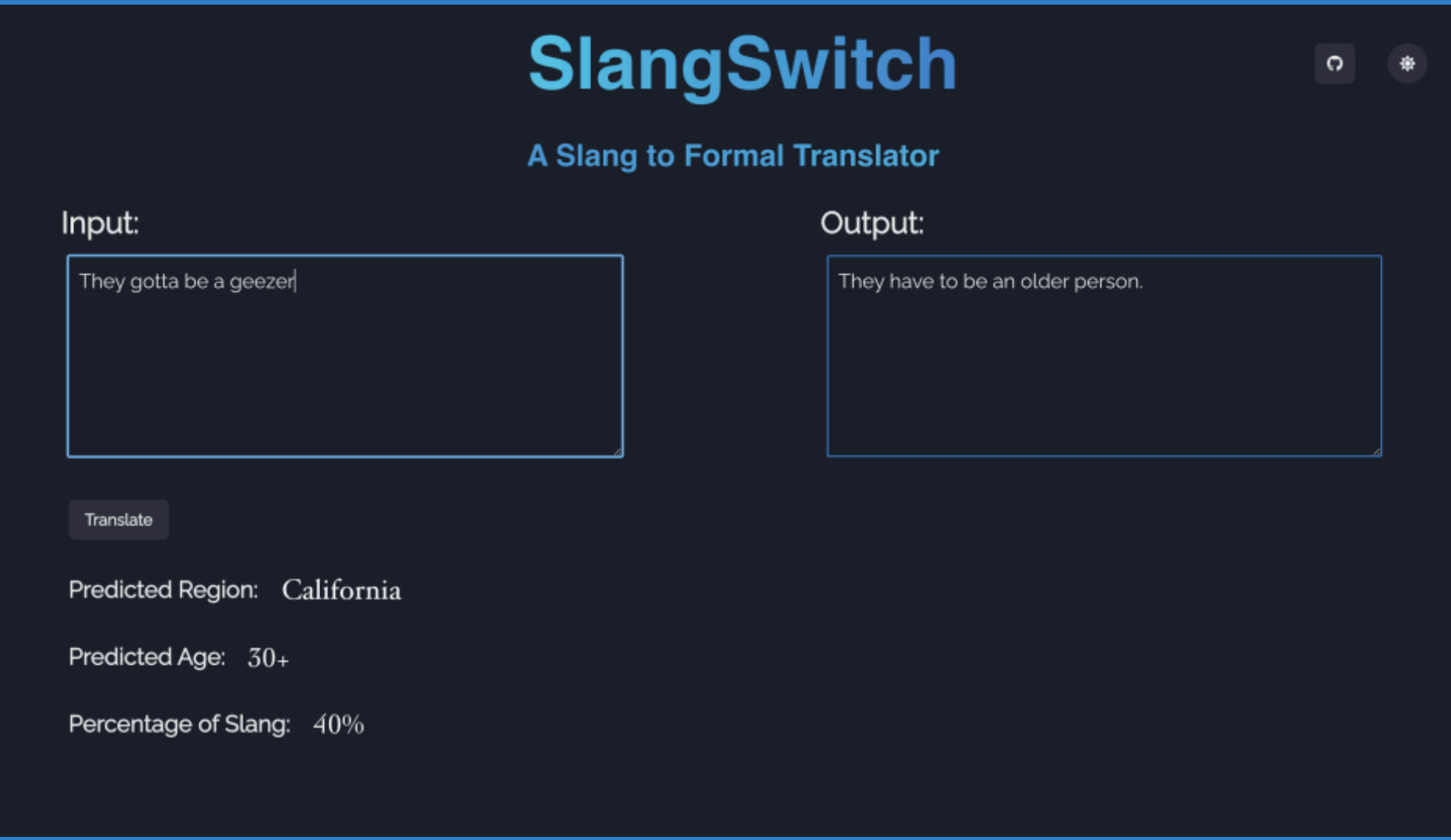
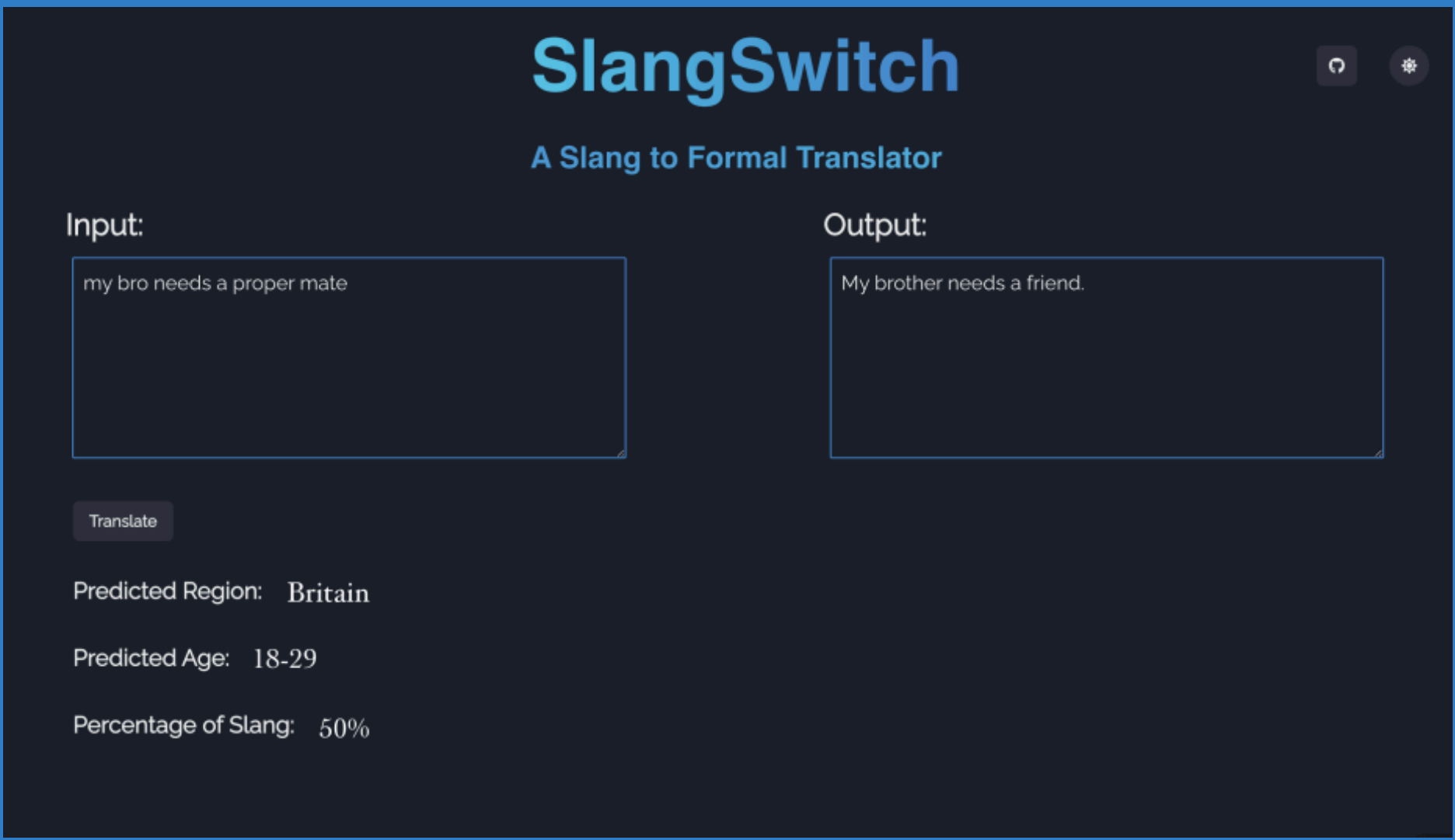


Text Translation

- Utilized Styleformer, a neural language style transfer framework, to convert slang to more formal language
- Built on top of the popular Hugging Face transformers library and trained on hundreds of slang phrases

Regional Identification

- Web scraped slang for three regions: California, New York, and Britain
- Matched regional slang words to a given input using Regex



Age Prediction

- Web scraped slang to create age-based dictionaries by frequency: under 18, 18-29, and 30+
- Employed terminology extraction to tally slang occurrences and forecast author's age group