**NLP PROJECT PROPOSAL**

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Keyboard auto suggestion using NLP:

We will build a Python project that can provide suggestions based on user input. The project utilizes textdistance library for measuring similarity between words.

Technique:

By leveraging techniques like Jaccard similarity and probabilistic models, we can create an efficient and accurate auto suggestion system.

Probabilistic Model:

The formula used to calculate the probability of a word in the provided code is:

Probability(word) = Frequency(word) / Total count of all words

Jaccard Distance Formula:

The Jaccard distance measures the dissimilarity between two sets by comparing their intersection and union.

**J(A, B) = |A ∩ B| / |A ∪ B|**

Overview:

* Suggestion based output
* Textdistance library
* Leveraging technique
* Jaccard principle
* Probablistic model
* Auto suggestion system