Company Recommendations

Problem Statement:

Here is a list containing 1000 company names. The task is to find the k companies from this list that closely match a given 'query' word. The goal is to identify the companies that are most relevant to the query word. The query word can be any term such as technology, fashion, finance, marketing, sports, and more.

Final Delivery:

Convert this system into a REST API endpoint (ideally using FLASK) that accepts parameters such as the query word and the desired number of recommendations. Upon receiving these parameters, the API will provide a list of companies as the response.

For instance, a request to the API endpoint (e.g., https://<yourendpointhere>/companies/?query=marketing&n=5) will return a response similar to [org1, org2, org3, org4, org5], where org1, org2, etc., represent the names of the recommended companies.

Utilize a tunnel forwarding service such as ngrok to export the API endpoint. Thoroughly document the API endpoint to ensure clear understanding and facilitate testing of the service.

Some Expectations:
1. Focus on every stage of NLP techniques
2. Elaborate any deep insight, novel steps that you take
3. Document next steps, possible enhancements
4. Assignment should be submitted within a week's time
5. Submit the Python notebooks / flask server