



Congratulations!

Your profile has been shortlisted for the assignment round for the position of Python Gen-AI Developer at BeyondChats!

This is a full-time position, and this assignment will help us get a better understanding of your expertise.

If you have any queries, please send us a message on Internshala.

Introduction:

This is a 48-hours assignment through which we will evaluate your problem-solving skills and python-expertise.

Assignment:

API endpoint: https://devapi.beyondchats.com/api/get_message_with_sources

Above is a paginated GET API which returns an array of objects where each object contains a **response** text and a corresponding array of **sources**.

source is a JSON array. Each object of the array consists of an id, context, and an optional link.

Your task is to develop a Python program that does the following:

1. Fetch the data from the pages of the API above.
2. Identify whether the **response** for each response-sources pair came from any of the **sources**
3. List down the **sources** from which the **response** was formed. Returns an empty array if the **response** did not come from any **source**. The shortlisted **sources** will be called **citations**
4. Return the **citations** for all objects coming from the API.
5. Extra points if you can present your solution through a user-friendly UI.

Technologies to Use:

Feel free to use any tools or libraries in Python needed to accomplish this task. The use of LLMs, NLP, ML/AI is encouraged.



Example Input

Response	Source
Yes, we offer online delivery services through major platforms like Swiggy and Zomato. You can also reserve a table directly from our website if you are planning to have breakfast!	[{ "id": "71", "context": "Order online Thank you for your trust in us! We are available on all major platforms like zomato, swiggy. You can also order directly from our website", "link": "https://orders.brikoven.com" }, { "id": "75", "context": "Do you give franchise if the brand No, we currently don't offer franchise opportunities for BrikOven! Although do feel free to drop in an email at theteam@brikoven. com so we can get in touch with you at a later stage if we do decide to give out franchisees", "link": "" }, { "id": "8", "context": "Breakfast Reservations\r For Breakfast, we recommend making reservations in advance. Reservation is only available through our website", "link": "https://www.brikoven.com/reservations" },]

Example Citation Output

```
citations = [  
  {  
    "id": "71",  
    "link": "https://orders.brikoven.com"  
  },  
  {  
    "id": "8",  
    "link": "https://www.brikoven.com/reservations"  
  }  
]
```



Note:

- You have 48 hours to complete this assignment.
- You will be evaluated based on your performance alone.
- The final solution should be an executable python script.
- Pay special attention to any edge cases that may arise.
- You will need to submit a Github repository before the 48 hours are up.
Please make sure you have given “collaborator” access to username:
“Pankaj-Baranwal” on Github.
- Include proper code-level documentations and a ReadMe file with instructions to set up and execute the program.
- It is recommended to [follow PEP-8 guidelines](#)

You have 48 hours to complete this assignment.

ALL THE BEST!