Base URL

1. https://dashboar-api.onrender.com/
2. https://chatbot-axvr.onrender.com – used for chatbot

Endpoints

1. Time-Series Analysis Endpoints (main.py)

1.1. Get Time-Series Data

Endpoint:
`GET /time-series`

Description:
Returns the time-series data related to user queries from Reddit.

Query Parameters:

Parameter	Type	Required	Description
query	string	Yes	The search term to filter time-series data

Response:

- **200 OK:** Returns an array of objects with timestamp and score.
- **400 Bad Request:** If an error occurs in processing.

Response Example:

```
[
  {
    "timestamp": "2024-03-13T12:00:00",
    "score": 120
  },
  {
    "timestamp": "2024-03-10T15:30:00",
    "score": 45
  }
]
```

1.2. Get Subreddit Distribution

Endpoint:
`GET /subreddit-distribution`

Description:
Returns the distribution of posts across different subreddits.

Response:

- **200 OK:** Returns subreddit counts.

Response Example:

```
[
  {"subreddit": "Python", "count": 150},
  {"subreddit": "MachineLearning", "count": 120},
  {"subreddit": "DataScience", "count": 100}
]
```

2. AI Chatbot Endpoints (chatbot.py)

2.1. Chat with AI

Endpoint:
POST /chat

Description:
Sends a user query to the AI chatbot and retrieves a response.

Request Body:

```
{
  "message": "What are the latest trends in AI?"
}
```

Response:

- **200 OK:** Returns AI-generated text response.

Response Example:

```
{
  "response": "AI is rapidly evolving, with advancements in multimodal
learning, generative models, and real-time inference."
}
```

2.2. Get Chat History

Endpoint:
GET /chat-history

Description:
Fetches the conversation history of the AI chatbot.

Response:

- **200 OK:** Returns an array of past chat messages.

Response Example:

```
[
  {
    "user": "What is AI?",
    "bot": "AI stands for Artificial Intelligence, a field focused on
creating intelligent systems."
  },
]
```

Error Handling

The API returns standard HTTP status codes for errors:

- **400 Bad Request:** Invalid input or missing parameters.
- **404 Not Found:** Requested resource does not exist.
- **500 Internal Server Error:** An unexpected server error occurred.