RAG Chatbot API 1.0.0   OAS 3.1

/openapi.json

Retrieval Augmented Generation Chatbot using ChromaDB, LangChain, and LangGraph

Chat ⌃

POST   **/chat** Chat ⌃

Chat endpoint for RAG chatbot

Args: request: ChatRequest with user query

Returns: ChatResponse with answer and metadata

Parameters   Cancel   Reset

No parameters

Request body required   application/json

```
{
    "query": "What is the price of  Power Bank Ultra 20000mAh?"
}
```

Execute   Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8000/chat' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "query": "What is the price of  Power Bank Ultra 20000mAh?"
}'
```

Request URL

```
http://localhost:8000/chat
```

Server response

Code	Details
200	**Response body**

```json
{
  "query": "What is the price of  Power Bank Ultra 20000mAh?",
  "answer": "The price of the Power Bank Ultra 20000mAh is ₹2,499.",
  "category": "products",
  "metadata": {
    "classifier": "success",
    "rag": {
      "sources": [
        {
          "chunk_id": 2,
          "source": "./product_info.txt"
        },
        {
          "chunk_id": 1,
          "source": "./product_info.txt"
        },
        {
          "chunk_id": 3,
          "source": "./product_info.txt"
        }
      ],
      "context_used": true
    }
  }
}
```

Download

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
content-length: 360
content-type: application/json
date: Mon,02 Feb 2026 10:19:24 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response	*No links*

Media type

application/json

Controls Accept header.

Example Value   Schema

Code	Description	Links

```json
{
  "answer": "The SmartWatch Pro X is priced at ₹15,999.",
  "category": "products",
  "metadata": {
    "classifier": "success",
    "rag": {
      "context_used": true
    }
  },
  "query": "What is the price of SmartWatch Pro X?"
}
```

422   Validation Error   *No links*

Media type

application/json

Example Value   Schema

```json
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

GET   **/health** Health Check   ⌄

default   ⌃

GET   **/** Root   ⌄

Schemas   ⌃

ChatRequest ❯ Expand all **object**

ChatResponse ❯ Expand all **object**

HTTPValidationError ❯ Expand all **object**

ValidationError ❯ Expand all **object**