

TechGear Electronics Support Chatbot

1.0.0 OAS 3.1

[/openapi.json](#)

RAG-powered customer support chatbot using ChromaDB, LangChain, LangGraph, and Gemini Flash 2.5

default



GET / Root

⌵

GET /health Health Check

⌵

POST /chat Chat

⌶

Main chat endpoint that processes customer queries using the LangGraph workflow.

The workflow:

- 1. Classifies the query (products, returns, general, or escalate)
- 2. Routes to RAG responder or escalation handler
- 3. Returns the appropriate response with metadata

Args: request: ChatRequest with user query and optional conversation history

Returns: ChatResponse with chatbot answer and category

Parameters

Cancel

No parameters

Request body required

application/json

Edit Value

Schema

```
{
  "history": [
    {
      "sender": "user",
      "text": "Tell me about your smartwatches"
    },
    {
      "sender": "bot",
      "text": "We have the SmartWatch Pro X..."
    }
  ],
  "query": "What is the price of SmartWatch Pro X?"
}
```

//

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8000/chat' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
    "history": [
      {
        "sender": "user",
        "text": "Tell me about your smartwatches"
      },
      {
        "sender": "bot",
        "text": "We have the SmartWatch Pro X..."
      }
    ],
    "query": "What is the price of SmartWatch Pro X?"
  }'
```

Request URL

http://localhost:8000/chat

Server response

Code

Details

200

Response body

```
{
  "response": "The SmartWatch Pro X is priced at ₹15,999.",
  "category": "products"
}
```

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Response headers

access-control-allow-credentials: true

Code	Details	
	<div>content-length: 81 content-type: application/json date: Mon,02 Feb 2026 10:36:44 GMT server: uvicorn</div>	
Responses		
Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div><div>application/json</div></div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "category": "products", "response": "The SmartWatch Pro X is priced at ₹15,999." }</pre></div>		
422	Validation Error	No links
<div>Media type</div> <div><div>application/json</div></div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre></div>		

POST /chat/direct Chat Direct



Direct RAG endpoint that bypasses the classification step. Useful for debugging or when you want to force RAG retrieval.

Args: request: ChatRequest with user query
Returns: ChatResponse with RAG-generated answer

Parameters

Cancel

No parameters

Request body required

application/json

Edit Value Schema

```
{
  "history": [
    {
      "sender": "user",
      "text": "Tell me about your smartwatches"
    },
    {
      "sender": "bot",
      "text": "We have the SmartWatch Pro X..."
    }
  ],
  "query": "What is the price of SmartWatch Pro X?"
}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8000/chat/direct' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
    "history": [
      {
        "sender": "user",
        "text": "Tell me about your smartwatches"
      },
      {
        "sender": "bot",
        "text": "We have the SmartWatch Pro X..."
      }
    ],
    "query": "What is the price of SmartWatch Pro X?"
  }'
```

Request URL

<http://localhost:8000/chat/direct>

Server response

Code

Details

200

Response body

```
{
  "response": "The SmartWatch Pro X is priced at ₹15,999."
}
```

Code	Details	Download
	<pre>"category": "direct" }</pre> <p>Response headers</p> <pre>access-control-allow-credentials: true content-length: 79 content-type: application/json date: Mon,02 Feb 2026 10:36:07 GMT server: uvicorn</pre>	
Responses		
Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "category": "products", "response": "The SmartWatch Pro X is priced at ₹15,999." }</pre>	No links
422	<p>Validation Error</p> <p>Media type</p> <div>application/json</div> <p>Example Value Schema</p> <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>	No links

Schemas	
<p>ChatRequest > Expand all object</p> <p>ChatResponse > Expand all object</p>	

HTTPValidationError > Expand all **object**

HealthResponse > Expand all **object**

HistoryMessage > Expand all **object**

ValidationError > Expand all **object**