

# Package ‘shiny.ollama’

January 27, 2025

**Version** 0.1.1

**Title** R 'shiny' Interface for Chatting with Large Language Models  
Offline on Local with 'ollama'

**Description** Chat with large language models on your machine without internet with complete privacy via 'ollama', powered by R 'shiny' interface. For more information on 'ollama', visit <<https://ollama.com>>.

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**License** Apache License (>= 2)

**URL** <https://www.indraneelchakraborty.com/shiny.ollama/>,  
<https://github.com/ineelhere/shiny.ollama>

**BugReports** <https://github.com/ineelhere/shiny.ollama/issues>

**Encoding** UTF-8

**Imports** shiny (>= 1.7.0), bslib (>= 0.4.0), httr (>= 1.4.0), jsonlite (>= 1.8.0), markdown, mockery

**Depends** R (>= 3.5.0)

**Suggests** testthat (>= 3.0.0), pkgdown (>= 2.0.0)

**Config/testthat/edition** 3

**RoxygenNote** 7.3.2

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**NeedsCompilation** no

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**Repository** CRAN

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fetch_models	<i>Fetch available models from Ollama API</i>
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### Description

Fetch available models from Ollama API

### Usage

```
fetch_models()
```

### Value

Character vector of model names or an error message

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format_chat_history	<i>Convert chat history to downloadable format</i>
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### Description

Convert chat history to downloadable format

### Usage

```
format_chat_history(messages, format = c("HTML", "CSV"))
```

### Arguments

messages	List of chat messages
format	Character string specifying format ("HTML" or "CSV")

### Value

Formatted chat history as a character string (HTML) or a data frame (CSV)

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format_message_md	<i>Format a message as markdown</i>
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**Description**

This helper function formats a message with a specified role (User, Assistant, or System) into a markdown-styled string.

**Usage**

```
format_message_md(role, content)
```

**Arguments**

role	A character string specifying the role (e.g., "User", "Assistant", "System").
content	A character string containing the message content.

**Value**

A character string formatted as markdown.

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parse_message	<i>Parse a markdown-formatted message</i>
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**Description**

This function extracts the role and content from a markdown-formatted message.

**Usage**

```
parse_message(message)
```

**Arguments**

message	A character string containing the markdown-formatted message.
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**Value**

A list with two elements:

role	A character string representing the role (e.g., "User", "Assistant", "System").
content	A character string containing the extracted message content.

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run_app	<i>Run shiny Application for Chat Interface</i>
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**Description**

Launches a shiny app for interacting with the Ollama API

**Usage**

```
run_app()
```

**Value**

No return value, called for side effects.

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send_ollama_message	<i>Send message to Ollama API and get response</i>
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**Description**

Send message to Ollama API and get response

**Usage**

```
send_ollama_message(message, model)
```

**Arguments**

message	Character string containing the user message
model	Character string specifying the model name

**Value**

A list with elements 'success' (logical) and either 'response' (character) or 'error' (character)

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