

Manx.ai

Building ChatIOM

August 14, 2024

A simple Sinatra app that mimics the ChatGPT interface, allowing users to send messages and receive responses from a server. The app serves a static image and features a green 'Send' button.

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Mike Nichols

Pair Programmer at F10N



Hi Mike, go visit the <https://chatiom-community.manx.ai/> where I am running the GaiaNet Node. I would like you to help me create a simple sinatra app that makes the HTTP post request as mentioned on the above url. This should be inform of chat box.

Abhi P 36 minutes ago



Let's create a simple Sinatra app that makes an HTTP POST request to your GaiaNet Node. Here's a basic setup:



```
ruby
# app.rb
require 'sinatra'
require 'net/http'
require 'json'

# Route for the chatbox
get '/' do
  erb :index
end

# Route to handle form submission
post '/chat' do
  user_input = params[:message]
  uri = URI('https://chatiom-community.manx.ai/v1/chat/completions')

  # Prepare the request
```

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```

request = Net::HTTP::Post.new(uri, 'Content-Type' => 'application/json')
request.body = { model: "gpt-3.5-turbo", messages: [{ role: "user", content: us

# Send the request
response = Net::HTTP.start(uri.hostname, uri.port, use_ssl: true) do |http|
  http.request(request)
end

# Parse and display the response
@response_message = JSON.parse(response.body)["choices"].first["message"]["cont
erb :index
end

```

```

erb
<!-- views/index.erb -->
<!DOCTYPE html>
<html>
<head>
  <title>Chat Box</title>
</head>
<body>
  <h1>Chat with GaiaNet Node</h1>
  <form action="/chat" method="post">
    <input type="text" name="message" placeholder="Type your message here" requir
    <button type="submit">Send</button>
  </form>
  <% if @response_message %>
    <p><strong>Response:</strong> <%= @response_message %></p>
  <% end %>
</body>
</html>

```

Steps to Run:

1. **Install Sinatra:** Make sure you have Sinatra installed. You can do this by running `gem install sinatra`.
2. **Run the App:** Start the app by running `ruby app.rb`.
3. **Access the App:** Open your browser and go to `http://localhost:4567` to see the chatbox.

This app will send a POST request to your GaiaNet Node and display the response in the chatbox. Let me know if you need any modifications!

Mike Nichols 36 minutes ago

Make the interface look more like ChatGPT clone

Abhi P 27 minutes ago

To make the interface look more like a ChatGPT clone, we can enhance the HTML and CSS to mimic the ChatGPT style. Here's an updated version:

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```
erb
<!-- views/index.erb -->
<!DOCTYPE html>
<html>
<head>
  <title>ChatGPT Clone</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: <span class='hashtag'>#f5f5f5</span>;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .chat-container {
      width: 400px;
      background-color: white;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      overflow: hidden;
    }
    .chat-header {
      background-color: <span class='hashtag'>#007bff</span>;
      color: white;
      padding: 10px;
      text-align: center;
    }
    .chat-messages {
      padding: 10px;
      height: 300px;
      overflow-y: auto;
      border-bottom: 1px solid <span class='hashtag'>#ddd</span>;
    }
    .chat-input {
      display: flex;
      padding: 10px;
    }
  </style>
</head>
</html>
```

Copy

```

.chat-input input {
  flex: 1;
  padding: 10px;
  border: 1px solid <span class='hashtag'>#ddd</span>;
  border-radius: 4px;
  margin-right: 10px;
}
.chat-input button {
  padding: 10px 20px;
  background-color: <span class='hashtag'>#007bff</span>;
  color: white;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
.chat-input button:hover {
  background-color: <span class='hashtag'>#0056b3</span>;
}
.message {
  margin-bottom: 10px;
}
.message.user {
  text-align: right;
}
.message.bot {
  text-align: left;
}
</style>
</head>
<body>
  <div class="chat-container">
    <div class="chat-header">
      ChatGPT Clone
    </div>
    <div class="chat-messages">
      <% if @response_message %>
        <div class="message user"><strong>You:</strong> <%= params[:message] %></div>
        <div class="message bot"><strong>Bot:</strong> <%= @response_message %></div>
      <% end %>
    </div>
    <form action="/chat" method="post" class="chat-input">
      <input type="text" name="message" placeholder="Type your message here" required>
      <button type="submit">Send</button>
    </form>
  </div>
</body>
</html>

```

Key Features:

- **Chat Container:** A central box to hold the chat interface.
- **Header:** A header with a background color similar to ChatGPT.
- **Messages Area:** A scrollable area to display chat messages.
- **Input Area:** A text input and send button styled to match ChatGPT.

This setup provides a clean and modern chat interface similar to ChatGPT. Let me know if you need further customization!

Mike Nichols 27 minutes ago



Create header in the page for the logo "ChatIOM"

Abhi P 24 minutes ago



Let's add a header for the "ChatIOM" logo to the page:

```
erb
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<!-- views/index.erb -->
<!DOCTYPE html>
<html>
<head>
  <title>ChatGPT Clone</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: <span class='hashtag'>#f5f5f5</span>;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .chat-container {
      width: 400px;
      background-color: white;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      overflow: hidden;
    }
    .chat-header {
      background-color: <span class='hashtag'>#007bff</span>;
      color: white;
```

```
padding: 10px;
text-align: center;
position: relative;
}
.chat-header img {
position: absolute;
left: 10px;
top: 10px;
height: 30px;
}
.chat-messages {
padding: 10px;
height: 300px;
overflow-y: auto;
border-bottom: 1px solid <span class='hashtag'>#ddd</span>;
}
.chat-input {
display: flex;
padding: 10px;
}
.chat-input input {
flex: 1;
padding: 10px;
border: 1px solid <span class='hashtag'>#ddd</span>;
border-radius: 4px;
margin-right: 10px;
}
.chat-input button {
padding: 10px 20px;
background-color: <span class='hashtag'>#007bff</span>;
color: white;
border: none;
border-radius: 4px;
cursor: pointer;
}
.chat-input button:hover {
background-color: <span class='hashtag'>#0056b3</span>;
}
.message {
margin-bottom: 10px;
}
.message.user {
text-align: right;
}
.message.bot {
text-align: left;
}
```

```

</style>
</head>
<body>
  <div class="chat-container">
    <div class="chat-header">
      
      ChatGPT Clone
    </div>
    <div class="chat-messages">
      <% if @response_message %>
        <div class="message user"><strong>You:</strong> <%= params[:message] %></div>
        <div class="message bot"><strong>Bot:</strong> <%= @response_message %></div>
      <% end %>
    </div>
    <form action="/chat" method="post" class="chat-input">
      <input type="text" name="message" placeholder="Type your message here" required>
      <button type="submit">Send</button>
    </form>
  </div>
</body>
</html>

```

Key Changes:

- **Logo Placement:** Added an `` tag in the header for the "ChatIOM" logo.
- **Positioning:** Positioned the logo to the left within the header.

Replace `"path/to/chatiom-logo.png"` with the actual path to your logo image. Let me know if you need further adjustments!

Mike Nichols 24 minutes ago



add image `/img/logo.jpeg` and also relevant Sinatra code changes for serving assets

Abhi P 19 minutes ago



To serve static assets like images in a Sinatra app, you need to set up a public directory. Here's how you can do it:

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Sinatra Code Changes

1. **Create a Public Directory:** Place your `logo.jpeg` inside a directory named `public/img`.
2. **Sinatra Configuration:** Sinatra will automatically serve files from the `public` directory. No additional configuration is needed for this.
3. **Update the HTML to Use the Image:**

erb

 Copy

```
<!-- views/index.erb -->
<!DOCTYPE html>
<html>
<head>
  <title>ChatGPT Clone</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: <span class='hashtag'>#f5f5f5</span>;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .chat-container {
      width: 400px;
      background-color: white;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      overflow: hidden;
    }
    .chat-header {
      background-color: <span class='hashtag'>#007bff</span>;
      color: white;
      padding: 10px;
      text-align: center;
      position: relative;
    }
    .chat-header img {
      position: absolute;
      left: 10px;
      top: 10px;
      height: 30px;
    }
    .chat-messages {
      padding: 10px;
      height: 300px;
      overflow-y: auto;
      border-bottom: 1px solid <span class='hashtag'>#ddd</span>;
    }
    .chat-input {
      display: flex;
      padding: 10px;
    }
  </style>
</head>
</html>
```



```

.chat-input input {
  flex: 1;
  padding: 10px;
  border: 1px solid <span class='hashtag'>#ddd</span>;
  border-radius: 4px;
  margin-right: 10px;
}
.chat-input button {
  padding: 10px 20px;
  background-color: <span class='hashtag'>#007bff</span>;
  color: white;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
.chat-input button:hover {
  background-color: <span class='hashtag'>#0056b3</span>;
}
.message {
  margin-bottom: 10px;
}
.message.user {
  text-align: right;
}
.message.bot {
  text-align: left;
}
</style>
</head>
<body>
<div class="chat-container">
  <div class="chat-header">
    
    ChatGPT Clone
  </div>
  <div class="chat-messages">
    <% if @response_message %>
      <div class="message user"><strong>You:</strong> <%= params[:message] %></div>
      <div class="message bot"><strong>Bot:</strong> <%= @response_message %></div>
    <% end %>
  </div>
  <form action="/chat" method="post" class="chat-input">
    <input type="text" name="message" placeholder="Type your message here" required>
    <button type="submit">Send</button>
  </form>
</div>

```

```
</body>
</html>
```

Steps:

- **Place Image:** Ensure `logo.jpeg` is located at `public/img/logo.jpeg`.
- **Run the App:** Start your Sinatra app with `ruby app.rb`.

This setup will serve the image correctly and display it in the header. Let me know if you need further assistance!

Mike Nichols 19 minutes ago



Make logo image look big, about 200px and center aligned

Abhi P 17 minutes ago



To make the logo image larger and center-aligned, you can adjust the CSS as follows:

```
erb
<!-- views/index.erb -->
<!DOCTYPE html>
<html>
<head>
  <title>ChatGPT Clone</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: <span class='hashtag'>#f5f5f5</span>;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .chat-container {
      width: 400px;
      background-color: white;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      overflow: hidden;
    }
    .chat-header {
      background-color: <span class='hashtag'>#007bff</span>;
      color: white;
```

```
padding: 20px;
text-align: center;
position: relative;
}
.chat-header img {
height: 200px;
display: block;
margin: 0 auto;
}
.chat-messages {
padding: 10px;
height: 300px;
overflow-y: auto;
border-bottom: 1px solid <span class='hashtag'>#ddd</span>;
}
.chat-input {
display: flex;
padding: 10px;
}
.chat-input input {
flex: 1;
padding: 10px;
border: 1px solid <span class='hashtag'>#ddd</span>;
border-radius: 4px;
margin-right: 10px;
}
.chat-input button {
padding: 10px 20px;
background-color: <span class='hashtag'>#007bff</span>;
color: white;
border: none;
border-radius: 4px;
cursor: pointer;
}
.chat-input button:hover {
background-color: <span class='hashtag'>#0056b3</span>;
}
.message {
margin-bottom: 10px;
}
.message.user {
text-align: right;
}
.message.bot {
text-align: left;
}
</style>
```

```

</head>
<body>
  <div class="chat-container">
    <div class="chat-header">
      
      ChatGPT Clone
    </div>
    <div class="chat-messages">
      <% if @response_message %>
        <div class="message user"><strong>You:</strong> <%= params[:message] %></div>
        <div class="message bot"><strong>Bot:</strong> <%= @response_message %></div>
      <% end %>
    </div>
    <form action="/chat" method="post" class="chat-input">
      <input type="text" name="message" placeholder="Type your message here" required>
      <button type="submit">Send</button>
    </form>
  </div>
</body>
</html>

```

Key Changes:

- **Image Size:** Set the height of the image to 200px.
- **Center Alignment:** Used `display: block` and `margin: 0 auto` to center the image.

This will make the logo larger and center it within the header. Let me know if you need further adjustments!

Mike Nichols 17 minutes ago



make the color of the "send" button green

Abhi P 9 minutes ago



To change the color of the "Send" button to green, update the CSS for the button:

```

erb
<!-- views/index.erb -->
<!DOCTYPE html>
<html>
<head>
  <title>ChatGPT Clone</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: <span class='hashtag'>#f5f5f5</span>;
    }
  </style>

```

```
margin: 0;
padding: 0;
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
}
.chat-container {
width: 400px;
background-color: white;
border-radius: 8px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
overflow: hidden;
}
.chat-header {
background-color: <span class='hashtag'>#007bff</span>;
color: white;
padding: 20px;
text-align: center;
position: relative;
}
.chat-header img {
height: 200px;
display: block;
margin: 0 auto;
}
.chat-messages {
padding: 10px;
height: 300px;
overflow-y: auto;
border-bottom: 1px solid <span class='hashtag'>#ddd</span>;
}
.chat-input {
display: flex;
padding: 10px;
}
.chat-input input {
flex: 1;
padding: 10px;
border: 1px solid <span class='hashtag'>#ddd</span>;
border-radius: 4px;
margin-right: 10px;
}
.chat-input button {
padding: 10px 20px;
background-color: <span class='hashtag'>#28a745</span>; /* Green color */
color: white;
```

```

border: none;
border-radius: 4px;
cursor: pointer;
}
.chat-input button:hover {
background-color: <span class='hashtag'>#218838</span>; /* Darker green on
}
.message {
margin-bottom: 10px;
}
.message.user {
text-align: right;
}
.message.bot {
text-align: left;
}
</style>
</head>
<body>
<div class="chat-container">
<div class="chat-header">

ChatGPT Clone
</div>
<div class="chat-messages">
<% if @response_message %>
<div class="message user"><strong>You:</strong> <%= params[:message] %></div>
<div class="message bot"><strong>Bot:</strong> <%= @response_message %></div>
<% end %>
</div>
<form action="/chat" method="post" class="chat-input">
<input type="text" name="message" placeholder="Type your message here" requ
<button type="submit">Send</button>
</form>
</div>
</body>
</html>

```

Key Changes:

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