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Roll no: 56

Subject: Prompt Engineering

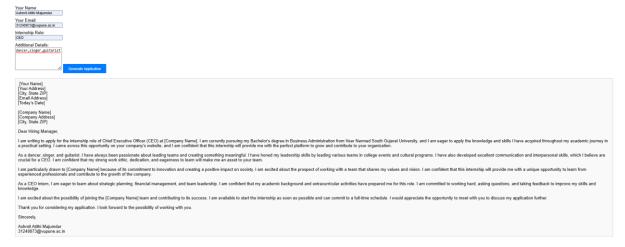
SRN: 31240873

Internship Application Generator



First input :-

Internship Application Generator



2nd input:-

| Total Part | P

CODE USED:-

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8"/>
 <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
 <title>Internship Application Generator</title>
 <style>
  body { font-family: Arial, sans-serif; margin: 20px; }
  form { margin-bottom: 20px; }
  label { display: block; margin-top: 10px; }
  button {
   margin-top: 20px; padding: 10px 20px;
   background-color: #007BFF; color: white; border: none; cursor: pointer;
  }
  button:hover { background-color: #0056b3; }
  #result {
   margin-top: 20px; padding: 10px; border: 1px solid #ccc;
   white-space: pre-wrap; background: #f9f9f9;
  }
 </style>
```

```
</head>
<body>
<h1>Internship Application Generator</h1>
<form id="applicationForm">
  <label for="name">Your Name:</label>
  <input type="text" id="name" required>
  <label for="email">Your Email:</label>
  <input type="email" id="email" required>
  <label for="internshipRole">Internship Role:</label>
  <input type="text" id="internshipRole" required>
  <label for="additionalDetails">Additional Details:</label>
  <textarea id="additionalDetails" rows="5" required></textarea>
  <button type="submit">Generate Application</button>
 </form>
<div id="result"></div>
<script>
  const API KEY = 'sk-or-v1-
4ff8ad6660f70340a9d6248041a231b671e8e9c5c47770e934685ea93fa88161'; // Replace with your
actual API key
  const API_URL = 'https://openrouter.ai/api/v1/chat/completions';
  document.getElementById('applicationForm').addEventListener('submit', async (event) => {
   event.preventDefault();
   const name = document.getElementById('name').value;
   const email = document.getElementById('email').value;
```

```
const internshipRole = document.getElementById('internshipRole').value;
   const additionalDetails = document.getElementById('additionalDetails').value;
   const prompt = `Write a professional internship application letter for the role of ${internshipRole}.
Include the following details:\n\nName: ${name}\nEmail: ${email}\nAdditional Details:
${additionalDetails}`;
   const requestBody = {
    model: "mistralai/mixtral-8x7b-instruct",
    messages: [
     { role: "user", content: prompt }
    ],
    temperature: 0.7,
    max_tokens: 1024,
    top_p: 1,
    frequency_penalty: 0,
    presence_penalty: 0
   };
   try {
    const response = await fetch(API_URL, {
     method: 'POST',
     headers: {
      'Content-Type': 'application/json',
      'Authorization':`Bearer ${API_KEY}`
     },
     body: JSON.stringify(requestBody)
    });
```

if (!response.ok) {

}

throw new Error(`API error: \${response.status}`);

```
const data = await response.json();
const resultText = data.choices?.[0]?.message?.content || 'No response generated.';
document.getElementById('result').textContent = resultText;
} catch (error) {
    console.error('Error:', error);
    document.getElementById('result').textContent = 'Failed to generate application. Please try again.';
}
});
</script>
</body>
</html>
```

PROMPTS USED:-

- 1) give me a code to make a internship email writing website integrating api features.
- 2) make it dynamic where it can generate based on the custom additional details
- 3) optimize for server

Report by
Ashmit Majumdar,
Thank you,