BUILDING A RECIPE GENERATOR

OBJECTIVE : Create a simple prompt that generates cooking recipes based on given ingredients. This project helps students understand how to structure prompts to produce creative and practical outputs.

What is a prompt?

Answer : A prompt in AI is an input or a set of instructions given to an AI system, particularly a language model like GPT-4, to guide it in generating a specific type of response. Prompts can be questions, statements, or commands that provide context and direction for the AI, helping it understand what the user wants to achieve.

Key Characteristics of a Prompt:

1. Clarity: The prompt should be clear and unambiguous so the AI can understand what is being asked.
2. Specificity: Including specific details helps the AI provide more accurate and relevant responses.
3. Context: Providing sufficient context helps the AI understand the background and the desired outcome of the request.

Examples of Prompts:

1. Question Prompt: "What are the health benefits of eating spinach?"

2. Command Prompt: "Write a short story about a dragon who loves to cook."

In summary, a prompt is a crucial tool for interacting with AI, guiding it to produce the desired information or creative content.

Cuisine recipe creation example :

Prompt : Create a recipe for a homemade pizza using the following ingredients: pizza dough, tomato sauce, mozzarella cheese, pepperoni, and bell peppers. Include a list of all ingredients, step-by-step instructions for preparing and assembling the pizza, and the baking time and temperature.

Expected Output : A detailed recipe for a pizza

Using the prompt the image generated using AI tool is :

Simple recipe creation example :

    Prompt : Create a recipe using the following ingredients . chicken breast, broccoli and garlic.

    Expected Output : A detailed recipe for a garlic chicken and broccoli stir-fry.

    Using the prompt the image generated using ai tool is :

Quick recipe creation example :

    Prompt : "Create a quick and easy recipe using the following ingredients: pasta, cherry tomatoes, and basil. The total cooking time should be under 30 minutes. Include steps and cooking times."

Expected Output : A detailed recipe for a quick pasta with cherry tomatoes and basil sauce.

Using the prompt the image generated using AI tool is :

Delicious recipe creation example :

     Prompt : Create a detailed recipe for Chicken Dum Biryani using the following ingredients: chicken, basmati rice, yogurt, onions, garlic, ginger, tomatoes, spices (such as cumin, coriander, turmeric, and garam masala), saffron, and fresh herbs (such as cilantro and mint). Include a list of all ingredients, step-by-step instructions for preparing and assembling the biryani, the layering process, and the 'dum' cooking method with cooking times and temperatures.

     Expected Output : A detailed recipe for a delicious south Indian chicken dum biryani recipe

Using the prompt the image generated using AI tool is :