# 1. Question Refinement Pattern

Description: Involves refining or clarifying a question to better understand and address the user's needs.

Examples:

* User asks a vague question, and the AI asks specific follow-up questions to clarify.
* The AI suggests different ways to rephrase a question for more precise answers.
* Breaking down a complex question into simpler parts for clarity.
* Identifying key words in a question to understand the main focus.
* Asking for additional context to provide a more accurate response.

# 2. Cognitive Verifier Pattern

Description: Used to verify the understanding of a question or statement, ensuring accurate interpretation and response.

Examples:

* Repeating the user's question in different words to confirm understanding.
* Asking for confirmation or clarification on a specific part of a question.
* Verifying assumptions made based on the user's question.
* Requesting more information to avoid misunderstandings.
* Reflecting on the emotional tone or intent behind a question for better response.

# 3. Audience Persona Pattern

Description: Tailoring responses based on the perceived persona or characteristics of the audience to enhance communication effectiveness.

Examples:

* Adapting the language style to match the user's level of expertise or age group.
* Using examples or analogies that resonate with the user's background or interests.
* Recognizing and respecting cultural differences in communication.
* Adjusting the complexity of the response based on the user's understanding.
* Personalizing responses by referencing previous interactions or preferences.

# 4. Flipped Interaction Pattern

Description: Involves reversing the roles in interaction, where the AI takes a more proactive or questioning stance.

Examples:

* The AI posing questions to the user to guide the conversation.
* Challenging the user's assumptions or beliefs in a constructive manner.
* Encouraging the user to explore different perspectives or solutions.
* The AI leading the conversation to uncover deeper insights or needs.
* Using rhetorical questions to stimulate user's thinking or reflection.

# 5. Format of the Question Refinement Pattern

Description: Structuring the approach to refining questions for clarity and effectiveness.

Examples:

* Step-by-step guide on how to dissect and clarify complex questions.
* Templates for asking clarifying questions.
* Checklist for identifying key components of a question.
* Flowchart to navigate through different types of question refinements.
* Strategies for prioritizing which aspects of a question to clarify first.

# 6. Format of the Cognitive Verifier Pattern

Description: Outlining methods to verify understanding and avoid misinterpretation.

Examples:

* Techniques for paraphrasing questions to confirm understanding.
* Guidelines for asking effective follow-up questions.
* Framework for identifying and addressing potential misunderstandings.
* Checklist for ensuring all aspects of a question have been understood.
* Strategies for confirming emotional undertones or implicit meanings.

# 7. Format of the Audience Persona Pattern

Description: Guidelines for tailoring communication to different audience personas.

Examples:

* Templates for adjusting responses based on user demographics.
* Best practices for cultural sensitivity in responses.
* Techniques for personalizing communication based on user history.
* Framework for identifying audience personas and their preferences.
* Strategies for adapting language and examples to different audience types.

# 8. Format of the Flipped Interaction Pattern

Description: Structuring conversations where the AI takes a lead in questioning or guiding.

Examples:

* Techniques for effective questioning by the AI.
* Guidelines for maintaining user engagement in a flipped interaction.
* Templates for AI-led conversations to explore specific topics.
* Strategies for encouraging user reflection and deeper thinking.
* Framework for balancing questioning and providing information in AI interactions.