Prompt Engineering Practice Templates

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1. General Inquiry

Template: Ask a general question about a topic
Example:
What is Generative AI and how does it work?

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2. Summarization

Template: Summarize text in specific format/length
Example:
Summarize the benefits of cloud computing in 3 bullet points within 30 words.

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3. Paraphrasing

Template: Rewrite text while maintaining meaning
Example:
Rewrite this phrase in your own words:
"Knowledge is power."

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4. Definition Request

Template: Ask for meaning/definition
Example:
What is vector embedding? Give a clear and simple definition.

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5. Comparison

Template: Compare items based on specific criteria
Example:
Compare traditional machine learning with deep learning using accuracy, complexity, and data requirements.

B. Persona-Based Prompt Templates

6. Role + Explanation

Template: You are a [role]. Explain [concept] to [audience].
Example:
You are a cybersecurity expert. Explain phishing attacks to office employees.

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7. Style Mimicry

Template: Write in the style of a specific person/author
Example:
Write about the future of AI in the style of Dr. APJ Abdul Kalam.

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8. Professional Writing

Template: You are a [job title]. Write a [document type] about [topic].
Example:
You are a data scientist. Write a project overview explaining the steps in building an AI chatbot.

C. Few-Shot Prompt Templates

9. Classification Template

Template: Provide examples and ask for classification
Example:
The battery lasts all day → Positive
The phone heats up quickly → Negative
The camera is decent but pictures are grainy at night → Neutral

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10. Translation Template

Template: Provide translation examples and request new translation
Example:
Translate to Tamil:
Artificial Intelligence – செயற்கை நுண்ணறிவு

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11. Question Answering Template

Template: Show Q&A pattern and request completion
Example:
What is a GPU used for? → Accelerating computational tasks

Which company developed the first iPhone? → Apple
What is edge AI? → _____

D. Chain-of-Thought (CoT) Templates

12. Step-by-Step Reasoning

Template: Break down complex problems into steps
Example:
Let's think step by step. How do you set up a new home Wi-Fi network from scratch?

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13. Math Problem Solving

Template: Show detailed mathematical reasoning
Example:
Solve step by step:
$(15 \div 3) + (6 \times 2) - 4$

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14. Logical Puzzle

Template: Break down logic puzzles with reasoning
Example:
Three boxes contain apples, oranges, or both. All labels are wrong. How can you identify each box with one pick?

E. Instruction Tuning / Format Control

15. Output Formatting

Template: Request specific output format
Example:
List the top AI tools for productivity. Present them in bullet points with one-line descriptions.

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16. Table Generation

Template: Request structured comparison
Example:
Compare ChatGPT, Gemini, and Claude based on speed, accuracy, and cost.

17. Email Writing

Template: Generate professional communication
Example:
You are an HR manager. Write an email informing employees about the upcoming cybersecurity awareness training.

F. Contextual Prompts

18. Tailored Explanation

Template: Explain [complex topic] to [age group] with [background knowledge]
Example:
Explain blockchain to high-school students using simple real-world examples.

19. Industry-Specific Context

Template: As a [expert], explain [topic] impact on [industry]
Example:
As a healthcare analyst, explain how AI improves early disease detection.

G. Creative Writing

20. Story Writing

Template: Write about [character] who [goal] but faces [obstacle]
Example:
Write a story about a young coder who dreams of building an AI app but struggles with lack of resources.

21. Poem Writing

Template: Create poetry with specific parameters
Example:
Write a poem in haiku form about new beginnings.

22. Dialogue Writing

Template: Write a realistic dialogue
Example:
Write a conversation between two friends deciding whether AI will replace jobs.

H. Code & Technical

23. Code Generation

Template: Write a [language] function that [does something]
Example:
Write a Python function to generate a random password.

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24. Debugging Help

Example:
Here is some code. Fix any errors:
for x in range(5)
print(x)

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25. API Documentation

Example:
Explain how to use the OpenWeather API with an example request and response.

I. Marketing & Business

26. Ad Copywriting

Example:
Write an ad for a new AI-powered note-taking app targeting students.

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27. Product Description

Example:
You are a product manager. Write a product description for a new smart home security camera.

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28. Social Media Post

Example:
Create a social media post promoting a new online AI masterclass.

J. Customer Support

29. Response to Complaint

Example:
You are a telecom support manager. Respond to a customer complaining about slow internet.

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30. FAQ Generator

Example:
Generate 5 FAQs for an AI resume builder tool.

K. Education & Tutoring

31. Lesson Plan Creation

Example:
Create a step-by-step lesson plan to teach students how neural networks work.

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32. Quiz Generation

Example:
Generate a 5-question quiz on cybersecurity basics for college students.

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33. Homework Help

Example:
Explain how to calculate the speed of a car that travels 90 km in 2 hours.

L. Advanced Framework-Based

34. ReAct Framework

Example:

Simulate agent behavior for planning an event with Thought → Action → Observation → Answer.

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35. Tree of Thoughts (ToT)

Example:

Generate 3 possible ways to master prompt engineering, evaluate them, and pick the best.

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36. Self-Consistency Prompting

Example:

Suggest three methods to save money monthly and choose the most effective.

M. Prompt Optimization

37. Prompt Refinement

Example:

Improve this prompt: "Explain AI." Make it clearer and more specific.

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38. Prompt Grading Rubric

Example:

Rate this output on clarity, relevance, fluency, accuracy, and creativity about a laptop comparison prompt.

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39. Prompt Iteration Challenge

Example:

Take this prompt and rewrite it 3 ways: "Explain blockchain simply."

N. Real-World Application

40. Job Posting Creation

Example:

Write a job posting for an AI Trainer at Google.

41. Resume Summary Builder

Example:
Create a resume summary for a data analyst with 5 years of experience in SQL, Python, and dashboards.

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42. Business Proposal

Example:
Write a proposal for building an AI-based fraud detection system for a bank.

O. Miscellaneous

43. Opinion Writing

Example:
Write an opinion piece on whether AI regulations are necessary.

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44. Debate Preparation

Example:
Prepare arguments for and against using AI in education.

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45. Travel Planning

Example:
Plan a 3-day budget-friendly trip to Singapore.

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46. Book/Movie Review

Example:
Write a review of the movie "The Social Dilemma."

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47. Personal Development

Example:
Give actionable advice on improving time management skills.

P. Prompt Chaining

48. Multi-step Research Task

Example:
Step 1: Identify the top 5 AI skills to learn in 2025.
Step 2: Suggest the best way to learn each skill.

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49. Idea to Execution

Example:
Pick 5 online business ideas in AI and evaluate which one is most profitable in 2025.

Q. Prompt Template Generator

50. Universal Prompt Builder

Example:
Role: You are a travel blogger.
Task: Write an exciting description of a beach trip.
Context: The content is for beginners planning travel.
Format: 100 words with bullet points.