

Course

Deeplearning.ai: ChatGPT Prompt Engineering for Developers (Free)

The screenshot shows a course dashboard for 'ChatGPT Prompt Engineering for Developers'. On the left, a sidebar lists course modules: Inferring, Transforming, Expanding, Chatbot, Conclusion, and a Quiz section which is highlighted in pink. Below these are status indicators: 100% Completed and an Accomplishment icon. At the bottom of the sidebar are icons for Home, Courses, Lessons, and Help.

The main content area displays a quiz titled 'Quiz' with an attempt limit of 3 left (3 attempts every 24 hours). The quiz has 70 points earned and requires 50/70 points to pass. Question 1 asks: 'In the context of large language models, what does prompt engineering involve?'. It lists three options: 'Prompt engineering is selecting the most suitable pre-trained large language model for a specific task based on performance benchmarks.', 'Prompt engineering is designing clear, specific instructions for large language models to effectively guide their outputs.', and 'Prompt engineering is improving the accuracy of large language models to increase their...'. A 'Start Free Trial' button is visible next to a membership unlock summary.

Question 2 is partially visible at the bottom.

AI Models & Tools for Development Tasks

1. Top Large Language Models (LLMs)

- **OpenAI GPT Series (GPT-5.3 Extensions)**

Best for: Fast development, defensive coding, production-ready implementations, API integration.

- **Anthropic Claude (Claude Opus & Claude Code)**

Best for: Deep reasoning, coding mentorship, complex debugging, long projects.

- **Google Gemini (Gemini 3 Pro & Deep Think)**

Best for: Multimodal workflows and agentic coding.

- **Alibaba Qwen 3.5**

Best for: Large workload handling at lower costs (enterprise/commercial).

2. Comparison Across Development Tasks

Best Models/Tools	Use Case	Why
GPT-series, Copilot	Fast Code Generation	Speed + autocomplete suggestions
Claude, GPT advanced	Deep Debugging & Reasoning	Explains logic & reasoning well
Claude Code, Gemini deep models	Large-Project Architecture	Handles large context & planning
GitHub Copilot, Cursor, Antigravity	Integrations in IDEs	Smooth workflow & real-time generation
DeepSeek, open/open-weight models	Cost-Efficient API Use	Lower cost for heavy usage
Gemini series	Multimodal/UI Generation	Handles images, design, coding combined

3. AI Developer Tools

Category	Example Tools	Best For
Code suggestion & autocompletion	Copilot, Tabnine, Codeium	Daily coding tasks & productivity
AI-Enhanced IDE	Google Antigravity, Cursor	Deep context coding, refactoring
Code review & testing	Qodo, DeepCode AI	Quality assurance & reviews
Autonomous agents	Replit AgentOS, LangGraph Pro	End-to-end automation, high-level planning
Enterprise platforms	Copilot Enterprise, AWS Bedrock	Secure, governed team workflows