

Course

[Deeplearning.ai: ChatGPT Prompt Engineering for Developers \(Free\)](#)

The screenshot shows the Deeplearning.AI course interface. On the left, a sidebar lists course modules: 'Inferring' (11 mins), 'Transforming' (12 mins), 'Expanding' (6 mins), 'Chatbot' (12 mins), and 'Conclusion' (2 mins). A 'Quiz' module is highlighted in red, indicating it is graded and takes 10 minutes. The main content area shows a quiz titled 'Quiz' with 0/70 points earned. A question asks: 'In the context of large language models, what does prompt engineering involve?'. A modal overlay prompts the user to 'Unlock this quiz with a membership', listing benefits like access to quizzes, certificates, and new courses. A 'Start Free Trial' button is visible. The bottom right corner has a 'Next Lesson' button.

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