Creating Custom APIs with ChatGPT: A 1-Week Intensive Course

14 – 18 December 2026
Paris (France)



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Why This Course

In today's digital environment, APIs are at the heart of modern applications, integrations, and intelligent services. As organizations increasingly adopt AI-powered solutions, the ability to build custom APIs using ChatGPT is becoming a valuable skill for developers, product teams, and technical professionals. These APIs can power everything from conversational assistants and content generation tools to recommendation engines and workflow automation, creating new opportunities for innovation and efficiency.

This intensive 1-week course equips participants with the skills to create custom APIs leveraging the power of ChatGPT. Attendees will learn to design, implement, and optimize AI-driven APIs, gaining hands-on experience with the ChatGPT API. The course covers API fundamentals, ChatGPT integration, security best practices, and advanced customization techniques.

What You'll Learn and Practice

By joining this program, you will:

- Understand API fundamentals and ChatGPT API capabilities.
- Design and implement custom APIs using the ChatGPT API.
- Apply security best practices for AI-powered APIs.
- Optimize API performance and handle large-scale requests.
- Integrate ChatGPT-powered APIs into real-world applications.
- Troubleshoot common issues in AI-driven API development.

The Program Flow

Day 1: Introduction to APIs and ChatGPT

- API fundamentals and RESTful architecture.
- Introduction to ChatGPT and its capabilities.
- Setting up the development environment.
- Making your first ChatGPT API call.



Day 2: Designing Custom APIs with ChatGPT

- API design principles and best practices.
- Crafting effective prompts for ChatGPT.
- Handling API responses and error management.
- Implementing basic conversational flows.

Day 3: Advanced ChatGPT API Integration

- Working with different ChatGPT models and parameters.
- Implementing context management and memory.
- Customizing API outputs and fine-tuning responses.
- Handling multi-turn conversations.

Day 4: Security, Scalability, and Performance

- Implementing authentication and authorization.
- Rate limiting and usage monitoring.
- Optimizing API performance and response times.
- Scaling ChatGPT-powered APIs for high traffic.

Day 5: Real-world Applications and Best Practices

- Integrating ChatGPT APIs into web and mobile applications.
- Implementing webhooks and real-time communication.
- Testing and debugging AI-powered APIs.
- Best practices for maintaining and updating ChatGPT-based APIs.

Individual Impact

- Strengthen your ability to design and build AI-powered APIs with confidence.
- Enhance your skills in prompt design, API integration, and response handling.
- Build stronger capability in securing, scaling, and optimizing AI-driven services.
- Gain practical experience in applying ChatGPT APIs to real development scenarios.

Work Impact

- Improve the organization’s ability to build intelligent applications and automate workflows.
- Strengthen API design and integration capabilities across digital products and services.
- Support more scalable, secure, and efficient implementation of AI-powered solutions.
- Enhance innovation by enabling faster development of conversational and content-based applications.



Training Methodology

This program integrates API design principles, hands-on development, and practical AI implementation to ensure real-world relevance and technical impact. Learning methods include:

- Real-world case studies on AI-powered APIs and application integration.
- Practical exercises in API design, prompt engineering, and response handling.
- Interactive workshops on security, scalability, and performance optimization.
- Group discussions on integration challenges, debugging, and maintenance best practices.
- Frameworks and tools for building secure and effective ChatGPT-powered APIs.

Beyond the Course

Upon completion, participants will be better equipped to create and manage ChatGPT-powered APIs with greater confidence, technical understanding, and practical skill. They will return ready to:

- Build custom AI-driven APIs for real-world applications.
- Integrate ChatGPT capabilities more effectively into web and mobile systems.
- Apply stronger security, scalability, and performance practices in API development.
- Support innovation through practical and maintainable AI-powered solutions.

