

工作坊：掌握大型語言模型與構建 AI 代理



簡介：

踏入人工智慧(AI)的新時代，請參加我們的「掌握大型語言模型與構建 AI 代理」工作坊。這個前瞻性的課程旨在讓您全面掌握將在未來十年重新定義我們世界的人工智慧。這個工作坊是您了解 AI 變革力量並利用其潛力的門戶。

這個沉浸式體驗將帶您深入了解大型語言模型（LLM）的架構，探索其複雜的訓練方法及其廣泛的應用。您不僅會獲得 AI 代理和代理系統的概述，還將獲得在各行業中創建和部署它們的實踐經驗，包括將它們部署到 HuggingFace。

這個工作坊適合初學者和有經驗的專業人士。它將為您提供寶貴的見解和實踐經驗，確保您在 AI 革命的前沿。

涵蓋的主題：

- 未來十年的 AI：AI 全球變革影響的戰略概述。
- LLM 架構與應用：探索大型語言模型、其訓練框架和實際應用。
- AI 代理與代理系統：智慧自主系統的全面介紹。

實驗室實踐：

- 基礎代理構建：從頭開始構建 AI 代理，而不依賴標準框架。

- **AI 評估系統：**設計一個由 LLM 驅動的系統來評估和驗證 AI 回應。
- **個性化聊天機器人創建：**使用 Gradio 和 OpenAI 開發並部署模仿您對話風格的網絡聊天機器人。
- **從概念到部署：**掌握 AI 代理的生命周期，從簡單的聊天循環到 HuggingFace 上的實時應用。

高級代理開發：

- 使用 OpenAI Agent SDK 構建複雜的 AI 代理。
- 構建利用多個 LLM 力量的互動產品銷售推廣工具。
- 創建並部署使用 Gradio 和 HuggingFace 的深度研究 (Deep Research) 代理。
- 使用 CrewAI 組裝高級 AI 代理。

多代理系統：

- 架構由多個 LLM 驅動的動態辯論系統。
- 設計用於深入金融研究的多代理系統。
- 構建用於投資分析的股票選擇系統，採用多代理方法。
- 構建一個由協作代理團隊組成的模擬股票交易應用。

總結體驗：

- **實際應用與綜合：**回顧以業務為中心的 AI 代理示例，總結關鍵策略和結果。
- **團隊競賽：**通過構建由 AI 代理驅動的創新業務應用來應用您的新技能。

請加入我們，解鎖 AI 的無限可能性。

時間表：

- 2025 年 9 月 14 日：上午 10:00 - 下午 1:00
- 2025 年 9 月 21 日：上午 10:00 - 下午 1:00
- 2025 年 10 月 19 日：上午 10:00 - 中午 12:00 (線上)
- 2025 年 11 月 2 日：上午 10:00 - 下午 1:00
- 2025 年 11 月 9 日：上午 10:00 - 下午 1:00
- 2025 年 12 月 7 日：上午 10:00 - 中午 12:00 (線上)
- 2026 年 1 月 4 日：上午 10:00 - 下午 1:00
- 2026 年 1 月 11 日：上午 10:00 - 下午 1:00

Unlock the Future: Mastering Large Language Models and Architecting AI Agents

Synopsis:

Step into the new era of intelligence with our "Mastering Large Language Models and Architecting AI Agents" workshop. This forward-thinking program is engineered to provide you with a comprehensive mastery of the artificial intelligence that is set to redefine our world in the next decade. This workshop is your gateway to understanding the transformative power of AI and harnessing its potential.

This immersive experience will take you deep into the architecture of Large Language Models (LLMs), exploring their sophisticated training methodologies and their vast applications. You will not only receive an overview of AI agents and agentic systems but also gain hands-on experience in their creation and deployment across various industries, including deploying them to HuggingFace.

This workshop is designed for both aspiring beginners and seasoned professionals. It will equip you with invaluable insights and practical experience, ensuring you remain at the vanguard of the AI revolution.

Topics Covered:

- **The Next Decade of AI:** A strategic overview of AI's transformative global impact.
- **LLM Architecture and Application:** An exploration of Large Language Models, their training frameworks, and real-world uses.
- **AI Agents and Agentic Systems:** A comprehensive introduction to intelligent autonomous systems.

Hands-on Labs:

- **Foundational Agent Construction:** Build AI agents from the ground up without relying on standard frameworks.
- **AI Evaluation Systems:** Engineer an LLM-powered system to assess and validate AI responses.
- **Personalized Chatbot Creation:** Develop and deploy a web chatbot that emulates your conversational style using Gradio and OpenAI.
- **From Concept to Deployment:** Master the lifecycle of an AI agent, from a simple chat loop to a live application on HuggingFace Spaces.

- **Advanced Agent Development:**
 - Construct sophisticated AI agents with the OpenAI Agent SDK.
 - Build interactive sales outreach tools that leverage the power of multiple LLMs.
 - Create and deploy a Deep Research Agent utilizing Gradio and HuggingFace Spaces.
 - Utilize CrewAI to assemble advanced AI agents.
- **Multi-Agent Systems:**
 - Architect a dynamic debate system driven by multiple LLMs.
 - Design multi-agent systems for in-depth financial research.
 - Build a stock selection system for investment analysis using a multi-agent approach.
 - Construct a simulated stock trading application with a team of collaborative agents.

Capstone Experience:

- **Real-World Applications & Synthesis:** A review of business-centric AI agent examples, summarizing key strategies and outcomes.
- **Team Competition:** Apply your new skills by architecting an innovative business application powered by AI agents.

Please join us on this exciting journey to unlock the limitless possibilities of AI.

Schedule:

- September 14, 2025: 10:00 AM – 1:00 PM
- September 21, 2025: 10:00 AM – 1:00 PM
- October 19, 2025: 10:00 AM – 12:00 PM (Online)
- November 2, 2025: 10:00 AM – 1:00 PM
- November 9, 2025: 10:00 AM – 1:00 PM
- December 7, 2025: 10:00 AM – 12:00 PM (Online)
- January 4, 2026: 10:00 AM – 1:00 PM
- January 11, 2026: 10:00 AM – 1:00 PM