Overview of the AI Agents Intensive Course

Day 1

Introduction to Agents

Explore the foundational concepts of AI agents, their defining characteristics, and how agentic architectures differ from traditional LLM applications, laying the groundwork for building intelligent, autonomous systems.

Day 2

Agent Tools & Interoperability with MCP

Dive into the world of tools, understanding how AI agents can "take action" by leveraging external functionalities and APIs, and explore the ease of discovering and using tools offered by the Model Context Protocol (MCP).

Day 3

Context Engineering: Sessions & Memory

Explore how to build AI agents that can remember past interactions and maintain context. Learn how to implement short-term and long-term memory to create more robust agents capable of handling complex, multi-turn tasks.

Day 4

Agent Quality

Learn to build robust and reliable AI agents by mastering the critical disciplines of evaluating and improving agents. This session will cover observability, logging, and tracing to provide visibility, alongside key metrics and evaluation strategies to optimize agent performance.

Day 5

Prototype to Production

Go beyond local testing and learn to deploy and scale AI agents for real-world use. This session will cover the best practices for deploying your agents so that others can use them, including how to create a truly multi-agent system with the Agent2Agent (A2A) Protocol.