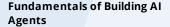**3 Courses**

Fundamentals of Building AI Agents

Agentic AI with LangChain and LangGraph

Agentic AI with LangGraph, CrewAI, AutoGen and BeeAI

IBM

Sep 17, 2025

Luís Augusto Mesquita de Castro

has successfully completed the online, non-credit Specialization

Building AI Agents and Agentic Workflows

The certificate holder has gained practical expertise in designing agentic AI systems using modern frameworks and workflow patterns. Through hands-on labs and projects, they built LangGraph agents supporting memory, iteration, conditional logic, and Agentic RAG, developed self-improving AI agents, designed multi-agent systems with orchestration, and structured modular workflows using CrewAI. They also applied frameworks like IBM BeeAI and AG2 (AutoGen) to conversation-driven applications and scalable workflows, configuring agents, tasks, memory, and tools to enable reasoning, feedback loops, and autonomous behavior.

Rav Ahuja
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