



3 Courses

Fundamentals of Building AI Agents

Agentic AI with LangChain and LangGraph

Agentic AI with LangGraph, CrewAI, AutoGen and BeeAI



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**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  
CCO & Global Program  
Director  
Skills Network

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