

Build the AI skills employers are hiring for.

The GenAI & Agentic AI Career Program from SPRO Systems: a 12-week, project-based path from LLM fundamentals to production-ready autonomous agents — run by an active IT staffing and recruitment firm, not just a training shop.

◆ Taught live by a 15-year Microsoft & Amazon engineer — see page 9

12

Weeks, live & hands-on

10+

Real build projects & a capstone

1

Portfolio-ready capstone you can show in an interview



EVERY COHORT ALSO GETS

- ◆ **MCP & agent frameworks** — tool abstraction, context sharing & multi-tool orchestration — built into the core curriculum
- ◆ Bonus **Gemini** and **Claude** workshops
- ◆ **Resume & portfolio** session
- ◆ **Class recordings** and code artifacts after every session
- ◆ **Curated AI job leads** — updated daily on SPRO's dedicated jobs & AI-updates website
- ◆ Strong finishers introduced to **SPRO's staffing & recruitment team**

\$225 / full program

Certificate and capstone review included

Student offer: 10% off | Group offer: 15% off per person



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About the program

SPRO Systems built the GenAI & Agentic AI Career Program around one idea: the fastest way to learn this stack is to build with it, every week, until you have real working software to show for it — not just a stack of notes.

What this is

A 12-week, cohort-based program that takes you from LLM fundamentals through prompt engineering, retrieval-augmented generation, and full multi-agent systems — ending in a production-ready capstone you can show in an interview. Every week pairs a concept block with a hands-on build, so you leave with working code, not just notes.

Why SPRO runs it

SPRO Systems is an active IT staffing and recruitment firm founded in 2013 — placing contract, temporary, and direct-hire talent every day. We built this program because we kept seeing the same gap on requisitions: candidates who could talk about AI but hadn't built with it. Strong finishers get introduced to our own recruitment team.

By the numbers

12

Weeks, structured curriculum

10+

Hands-on projects + capstone

15+

Years, lead trainer's industry experience

1

Production-ready capstone project

How it runs

- Live, instructor-led sessions each week — ask questions in real time, with recordings uploaded after every class.
- Code, notebooks, and links discussed in class are uploaded as downloadable artifacts.
- Small cohorts, so you get real feedback on your code, not just a checklist.
- Weekly hands-on labs plus open office hours for questions between sessions.
- A capstone review in the final weeks, with direct feedback before you present it.
- Curated AI job leads and daily AI updates via SPRO's jobs website, plus an introduction to SPRO's recruitment team for strong finishers.

What you walk away with

Six outcomes the program is designed around — each one tied to a real deliverable, not just a lecture.

- **A working GenAI foundation.** LLMs, RAG, and agentic AI concepts explained the way you'll actually use them.
- **End-to-end build experience.** Full applications, not toy demos — from prompt to deployed endpoint.
- **A production mindset.** Deployment, CI/CD, monitoring, and scaling, so your projects hold up outside a notebook.
- **Agentic AI depth.** Autonomous and multi-agent workflows using the same frameworks teams hire for.
- **A portfolio that gets read.** GitHub projects built around real use cases, not generic tutorials.
- **Confidence in interviews.** A capstone you built end-to-end means you can speak to real trade-offs, not just recite definitions.

Who this is built for

- Professionals who want to build AI, not be replaced by it.
- Career switchers ready to move into the fastest-growing part of tech.
- Students whose degree alone won't differentiate them in an AI-first market.
- Founders who need to ship an AI feature and can't wait on a hire.

Do I need a coding background to start?

No. If you're comfortable reading and writing in English, that's the main requirement — the Python you need for AI is taught from week one.

The 12-week roadmap

Every week builds on the last: foundations, then building blocks, then autonomous agents, then production.

WEEK 1 Foundations of Generative AI & LLMs	WEEK 2 Prompt Engineering, APIs & Memory Systems	WEEK 3 Advanced RAG, Evaluation & Multi-modal AI
WEEK 4 Automation & Workflow Orchestration	WEEK 5 API Orchestration, Streaming & Security	WEEK 6 Agentic Thinking & Your First Agent
WEEK 7 Agent Frameworks, Tool-Based Agents & MCP	WEEK 8 Multi-Agent Systems & Orchestration	WEEK 9 Long-Running Agents & Observability
WEEK 10 Enterprise Architecture & Cloud Deployment	WEEK 11 Capstone Build & Testing	WEEK 12 Final Integration, Demo & Certification

Bonus workshops & extras

MCP is already built into Week 7 of the core curriculum. On top of that, every cohort gets three additional live sessions — plus ongoing job leads.

- Gemini deep-dive workshop.** Building with Google's Gemini APIs and multimodal tooling, and where it fits alongside OpenAI and Claude.
- Claude & agentic workflows workshop.** Tool-using agents and computer-use style automation, built around Claude's agentic capabilities.
- Resume & portfolio session.** Turning your projects into a resume, LinkedIn profile, and GitHub presentation that reads well to a hiring manager.
- Curated AI job leads.** Hand-picked openings posted daily on SPRO's dedicated jobs & AI-updates website, plus shared directly with the cohort.

Curriculum — weeks 1 to 4

Week	Focus	You'll cover	Hands-on
01	LLM fundamentals, GenAI architecture, advanced prompting, RAG basics	Transformers, inference & tokens; system prompts, chain-of-thought, ReAct; embeddings, vector DBs, chunking & retrieval	Build a RAG Q&A app
	TOOLS	PythonOpenAIClaude	
02	OpenAI, Claude & Gemini APIs, function calling, memory systems	Cost & token management; structured outputs and tool routing; short- and long-term memory, context windows	Build a memory-enabled app
	TOOLS	ClaudeOpenAIHugging Face	
03	Advanced RAG patterns, evaluation & guardrails, multi-modal AI	Hybrid search & re-ranking; hallucination control; text, image & speech pipelines	Build a multi-modal assistant
	TOOLS	OpenAI APIFastAPIPython	
04	Automation fundamentals & tool orchestration	Workflow orchestration concepts; n8n, Zapier & Python; multi-step pipelines	Build an automation pipeline
	TOOLS	LangChainn8nZapier	

Curriculum — weeks 5 to 8

Week	Focus	You'll cover	Hands-on
05	Advanced API orchestration, streaming & security	Microservices patterns for GenAI; real-time and async systems; PII handling & compliance	Build a secure GenAI service
	TOOLS	FastAPIPineconeChroma	
06	Agentic thinking, state machines & planning	Task planning and decision loops; agent control flows; memory and reflection	Ship your first autonomous agent
	TOOLS	PineconeLangChain	
07	Agent frameworks, tool-based agents & MCP	LangGraph, CrewAI & AutoGen; dynamic tool routing; goal-driven workflows; MCP fundamentals — tool abstraction, context sharing & multi-tool orchestration — connecting agents to tools and data with the Model Context Protocol (MCP)	Build a deployable multi-tool agent (calculator + search + file reader)
	TOOLS	LangGraphCrewAIAutoGenMCPMCP SDK	
08	Multi-agent architectures & communication	Coordination patterns; message passing & delegation; shared vector + graph memory	Build a multi-agent workflow
	TOOLS	CrewAIPythonLangGraph	

Curriculum — weeks 9 to 12

Week	Focus	You'll cover	Hands-on
09	Long-running agents, observability & evaluation	Event-driven, persistent agents; monitoring & logging; agent quality benchmarking	Ship an autonomous system
	TOOLS	n8nZapierOpenAI	
10	Enterprise architecture, security & cloud deployment	Scalability & infra; security and compliance; AWS / Azure deployment pipelines	Deploy an enterprise-ready agent
	TOOLS	Weights & BiasesOpenTelemetryAWS / Azure	
11	Capstone design & build	Architecture and planning; core agent build; multi-agent integration; load and security testing	Capstone build, phases I & II
	TOOLS	DockerAWSAzureGitHub	
12	Final integration & certification	End-to-end solution & live deployment; portfolio and demo prep; final evaluation	Demo day + SPRO certificate
	TOOLS	OpenAILangChainAWS	

What's under the hood

A modern, multi-vendor AI stack — LLM APIs, agent frameworks, vector databases, and cloud deployment. Full list on the next page.

Tools & technologies

Everything below is used hands-on during the program, not just mentioned in a slide.

LLM & AI platforms

OpenAI API

Claude (Anthropic)

Gemini (Google)

Hugging Face

Agent & orchestration frameworks

LangChain

LangGraph

CrewAI

AutoGen

Model Context Protocol (MCP)

MCP SDK

Data, retrieval & memory

Pinecone

Chroma

Embeddings & vector search

Hybrid search & re-ranking

Automation & workflow

n8n

Zapier

Python

Backend & deployment

FastAPI

Docker

AWS

Azure

Collaboration, evaluation & observability

GitHub

Weights & Biases

OpenTelemetry

This is the same stack that shows up in current AI job postings — so what you practice in labs is what you'll be asked about in interviews.

Who's teaching it



Ganesh Adabala

Lead AI Trainer · Ex-Microsoft & Amazon

[linkedin.com/in/ganeshadabala](https://www.linkedin.com/in/ganeshadabala)

15+ years of global technology experience across Microsoft, Amazon, Eurofins, and Neudesic, with a focus on helping organizations and professionals adopt Generative AI, Agentic AI, data analytics, and cloud technology. Trained 1,000+ professionals across 50+ programs, with a delivery style built around real business use cases, workflow integration, and hands-on execution rather than slides.

Sample certificate

SPRO SYSTEMS INC

Certificate of Completion

Your Name

For successfully completing the 12-week GenAI & Agentic AI Career Program, delivered by SPRO Systems Inc.

Program Director, SPRO Systems Inc

Enroll in the program

One price, everything included — no add-on fees for the capstone review or certificate.

Full 12-week program

\$225

Student: 10% off | Group: 15% off per person

- All 12 weeks of live instruction and weekly hands-on labs
- Class recordings and code/notebook artifacts uploaded after every session
- Capstone project review and demo day feedback
- Bonus Gemini and Claude workshops, plus a resume & portfolio session
- Curated AI job leads, updated daily on SPRO's jobs & AI-updates website
- Introduction to SPRO's staffing & recruitment team for strong finishers
- SPRO Systems certificate of completion
- A portfolio of 10+ hands-on projects and a capstone you can showcase

SPRO Systems also offers OPT/STEM OPT/CPT support, H1B visa filing, payroll services, and marketing/vendor outreach — **priced separately** from this program. Contact us for a quote.

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Craft your career at SPRO Systems.

Seats are limited per cohort — reach out to reserve yours.



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