Networking with GenAI: AI for Network Engineers

Use GenAI and AIOps to design, troubleshoot and automate networks faster and more safely.

DURATION	FORMAT	LEVEL	LABS
24 hours	Onsite, online or hybrid	Intermediate	Cloud sandbox included

About this programme

A practical programme for network engineers adopting AI. Teams use LLM copilots to read configs and logs, generate and validate automation scripts, analyse telemetry with AIOps tools and build simple AI agents for network operations — with guardrails for accuracy and security.

Who it is for: Network, NOC and infrastructure engineers with CCNA-level knowledge

What your team will be able to do

- Use LLM copilots to explain, audit and generate network configurations
- Write and validate Python/Ansible automation with AI assistance
- Apply AIOps to telemetry for anomaly detection and root-cause analysis
- Build a retrieval-based assistant over your runbooks and network documentation
- Set guardrails: verification, change control and data-privacy rules for AI

Before you start

- CCNA-level networking knowledge
- Basic Python scripting

Course outline

We send the module-by-module outline with your proposal, adapted to your team's tools and goals.

Assessment and certification

How learning is checked

- A short knowledge check on day one and again at the end, so you can see each person's progress
- Graded hands-on labs in every module, reviewed by the trainer
- A final exercise that applies the programme to a problem like your team's own

Certificate and exams

- Participants who complete the programme receive a Cognitive Networks AI certificate of completion.

Formats and cohort size

- Onsite: At your office or a venue you choose, in full days.
- Online, live: Instructor-led over video, usually in half-day sessions so people can keep up with work.
- Hybrid: Some days in a room together, the rest online. Useful when a team works across cities.

Cohort size: 15 to 25 people per trainer. Larger teams run as parallel cohorts on the same outline, so everyone learns the same thing.

Pricing: We quote per cohort, based on duration, format and number of cohorts. There is no per-seat price list: tell us your team and we send a proposal within one business day.

Bring this programme to your team

Request a proposal at cognitivenetworks.ai/contact?programme=networking-with-genai

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