

AITECH - CISCO AI TECHNICAL PRACTITIONER

Course Code: 860062

Accelerate your transition to AI-driven innovation by designing solutions, automating tasks, and leading teams.

The Cisco AI Technical Practitioner (AITECH) Learning Path is designed for technical professionals seeking to transition from traditional knowledge-based work to innovation-driven roles augmented by Artificial Intelligence. This comprehensive program equips learners with the skills to effectively design technical solutions, automate tasks, and lead technical teams using cutting-edge AI tools and methodologies. From AI-powered code generation and data analysis to advanced model customization and workflow automation, this Learning Path prepares IT and network engineers, data analysts, AI/OPs specialists, solutions architects, technical leads, managers, and business process analysts to harness the full potential of AI within their organizations.

What You'll Learn

- Utilize AI for code generation, refactoring, and utilize modern AI-assisted coding workflows (Co-Pilot, Fast Prototyping)
- Leverage Generative AI for exploratory data analysis, data cleaning, transformation, and generating actionable insights
- Design and implement multi-step AI-assisted workflows and understand complex agentic systems for automation
- Understand AI-powered requirements, evaluate customization approaches (fine-tuning vs. RAG), consider deployment strategies, and design robust AI workflows
- Explore, evaluate, fine-tune, and deploy pre-trained AI models, and implement Retrieval Augmented Generation (RAG) systems
- Monitor, maintain, and optimize AI-powered workflows, ensuring data integrity and security

Who Needs to Attend

Technical professionals seeking to transition from traditional knowledge-based work to innovation-driven roles augmented by Artificial Intelligence

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ON-DEMAND

\$600 USD

On-Demand Outline

AI Technical Practitioner Foundations

- Generative AI Ecosystem
- AI Architect's Toolkit
- Prompt Engineering for Technical Precision
- Generative AI Security and Privacy Fundamentals

Optimizing Generative AI

- Debugging and Correcting AI-Generated Outputs
- Advanced Prompting Strategies
- AI-Powered Discovery and Synthesis

Advanced Generative AI Skills

- AI-Driven Software Engineering
- AI for Data Engineering and Exploration
- Customizing AI Models
- AI-Powered Workflows and Agentic AI

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Date created: 1/10/2026 6:30:58 PM

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