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Technical AI Governance Essentials – Foundations

Key information

Course code	Technical AI Governance Essentials – Foundations
Course version	1.0
Course title	Technical AI Governance Essentials – Foundations
Description	The 'Technical AI Governance Essentials – Foundations' course provides a comprehensive roadmap for organizations to mature their AI governance capabilities from a hands-on, technical perspective. The course's primary goal is to guide students in establishing, integrating, and orchestrating AI governance platforms, ultimately positioning technical governance as an enabler of speed and innovation. The emphasis is on understanding the holistic technical approach, architecture, and implementation of AI governance in a real-world context.
What you'll learn	• Explain the holistic approach, principles, and key considerations of AI governance. • Design architecture patterns for governance-by-design. • Implement strategies for AI governance across different organizational scales. • Integrate governance techniques within diverse technical environments. • Apply advanced optimization and automation approaches to AI governance. • Develop platform designs for governance-as-a-service.
Duration	3 hours
Level	Introductory
Format	Instructor-led

Content overview

Who this course is for	This course is aimed at technical practitioners and technical-adjacent roles, such as data scientists, MLOps engineers, data engineers, cloud security architects, and technical leads responsible for designing, building, and maintaining AI systems. The ideal attendee has significant experience in a technical role and is involved in building AI applications or infrastructure.
Total modules	5
Total classroom activities	14
Prerequisites	Any technical background—experience implementing production systems, software engineers, solution architects, and security professionals.
Products	None

Content breakdown

Module 00 title	The AI governance imperative: What, how, and why now?
Module 00 objectives	• Explain the holistic approach, principles, and key considerations of AI governance.
Module 00 activities	N/A
Module 01 title	Set up infrastructure: Build the governance platform
Module 01 objectives	• Design architecture patterns for governance-by-design.
Module 01 activities	• Discussion: Identifying your technical debt • Quiz questions • Discussion: Technical tools as governance enablers

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Module 02 title	Integrate: Unify the governance platform
Module 02 objectives	● Implement strategies for AI governance across different organizational scales.
Module 02 activities	● Discussion: Tailoring governance for performance ● Quiz questions ● Discussion: Measure platform success ● Tabletop exercise: Corrupted data incident