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About AI Authority

AI Authority is a global collective of passionate AI experts, architects, and enthusiasts committed to advancing responsible innovation and ethical AI. Founded on the belief that cutting-edge AI must be **trustworthy, transparent, and human-centric**, the organization is dedicated to shaping a future where technology and ethics progress hand in hand.

Positioned as a **definitive platform for actionable AI guidance**, AI Authority bridges the gap between abstract policy frameworks and practical, real-world deployment. Its mission is to help organizations confront and overcome challenges such as **bias, opacity, and inconsistent standards**, ensuring that progress is never achieved at the expense of integrity.

With meticulously curated **frameworks, methodologies, and best practices**, AI Authority provides strategic support across every phase of the AI lifecycle: from **design to deployment**. The organization's unwavering focus on **ethical, fair, and transparent outcomes** makes it a trusted ally for enterprises seeking to build, scale, and govern AI responsibly.

Why Choose AI Authority

At AI Authority, our reputation rests on an unwavering commitment to **quality, trust, and globally recognized validation**. Our certification programs are built to empower professionals to **lead with confidence** in responsible AI development and governance. Every resource, guide, and framework we create is rigorously vetted for accuracy, relevance, and practical impact therefore enabling organizations to build **ethical, compliant, and transparent** AI ecosystems.

Our global reach and expertly curated content blend **theoretical depth with hands-on mastery**, giving enterprises the clarity, direction, and practical tools they need to architect **scalable, trustworthy, and responsible AI solutions**.

At AI Authority, we don't just guide the AI journey, **we redefine how the world builds, governs, and trusts intelligent systems.**

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Course Details:

AI Solution Architecture course

This course provides a comprehensive foundation in AI Solution Architecture, equipping professionals with the knowledge and frameworks to design, integrate, and govern AI-driven solutions at scale. Participants will explore how AI fits into the broader enterprise architecture, develop skills in solution design, and gain practical knowledge of deployment, governance, and security best practices. Through this program, learners will gain expertise in:

- Introduction to AI Solution Architecture
- Relation between AI Solution Architecture and AI Enterprise Architecture
- AI Maturity Model
- AI Reference Architecture
- Ai Architectures (Business, Data, Application, Technology)
- AI Landscape Navigation (Data Science/ Engineering, Features Engineering, Fine tuning)
- Type of AI Solutions (ML, Prompt Engineering, LLM, Gen AI, Agentic AI, RAG, Frameworks)
- Patterns of AI Solutions
- Model Selection/ Evaluation
- Coding best practices
- AI UI/UX design patterns
- AI Orchestration and Integration Patterns
- AI Security guardrails
- Tool / Infrastructure selection
- AI Standards and Regulations
- AI Governance
- AI Solution Deployment

Who can attend AI Solution Architecture course?

- Solution Architects
- Team Leads
- Project Managers
- Operations Managers

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Course Content:

Day 1 Topics

Module 1: Foundations of AI Solution Architecture:

- Introduction to AI Solution Architecture
- Relationship between AI Solution Architecture and Enterprise Architecture
- AI Maturity Model: Assessing organizational readiness for AI adoption

Module 2: Reference Models and Architectures

- AI Reference Architecture as a guiding framework
- Layers of AI Architecture: Business, Data, Application, Technology
- Navigating the AI Landscape: Data Science, Data Engineering, Feature Engineering, Fine-Tuning

Module 3: Types and Patterns of AI Solutions

- AI Solution Architecture patterns
- Patterns selection – Case study
- Model Selection and Evaluation strategies

Day 2 Topics

Module 4: Business Architecture

- Components of Business Architecture
- Steps to develop Business Architecture
- Artifacts – Case study

Module 5: Data Architecture

- Components of Data Architecture
- Steps to develop Data Architecture

- Artifacts – Case study

Day 2 Topics

Module 6: Application Architecture

- Components of Application Architecture
- Steps to develop Application Architecture
- Artifacts – Case study

Module 7: Technology Architecture

- Components of Technology Architecture
- Steps to develop Technology Architecture
- Artifacts – Case study

Day 3 Topics

Module 8: AI Design and Development Practices

- Coding best practices for AI development
- AI UI/UX Design Patterns: human-centered design for AI-driven interfaces
- AI Orchestration and Integration Patterns across enterprise systems

Module 9: Security, Standards, and Governance

- AI Security Guardrails: risks, mitigation, and compliance
- Tool and Infrastructure Selection for scalable AI solutions
- AI Standards and Regulations: industry and government frameworks
- AI Governance: policies, accountability, and ethical practices

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Day 3 Topics

Module 10: Deployment and Operationalization

- AI Solution Deployment strategies (cloud, hybrid, on-premise)
- Monitoring and maintaining AI systems in production
- Continuous improvement through feedback and performance tracking

Module 11: Security, Standards, and Governance

- AI Security Guardrails: risks, mitigation, and compliance
- Tool and Infrastructure Selection for scalable AI solutions
- AI Standards and Regulations: industry and government frameworks
- AI Governance: policies, accountability, and ethical practices

Module 12: Deployment and Operationalization

- AI Solution Deployment strategies (cloud, hybrid, on-premise)
- Monitoring and maintaining AI systems in production
- Continuous improvement through feedback and performance tracking