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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.**

## Course Details:

### AI Engineering 1

The AI Engineering 1 Program is designed to build strong, industry-ready skills across the modern AI stack. This program is split into two levels:

The AI Engineering 1 Course focuses on core AI fundamentals, including Machine Learning, Neural Networks, Deep Learning, Generative AI, and LLM basics. Learners understand how different layers of AI work together and how modern AI solutions are built.

### Who can attend AI Engineering 1 Course?

- Freshers & beginners entering AI roles
- Software Developers / Test Engineers
- Data Analysts / BI Analysts
- Students preparing for AI/ML career transitions
- Anyone who wants strong fundamentals in modern AI

## Course Content:

### Day 1 – Introduction & Core AI Foundations

**Module 1: AI Fundamentals**

- What is AI?
- Evolution of AI
- Relationship between AI, ML, DL
- Overview of AI Engineering Layers

**Module 2: Machine Learning**

- Types of ML (Supervised, Unsupervised, Reinforcement)
- Datasets, Features & Labels
- ML Pipeline
- Common ML algorithms & use cases

# Day 2 – Neural Networks & Deep Learning

## Module 3: Neural Networks

- Neural Network architecture
- Activation functions
- Training, validation, testing
- Loss functions & optimization

## Module 4: Deep Learning

- CNNs, RNNs, Transformers (overview)
- Applications: Vision, Speech, NLP
- Model evaluation metrics

# Day 3 – Generative AI & LLMs

## Module 5: Generative AI

- Generative Models: Diffusion, GANs, LDMs
- Text, Image, Audio, Video Generation
- Use cases in enterprises

## Module 6: LLM Basics

- What are LLMs?
- How LLMs are trained
- Prompt engineering fundamentals
- Safety, hallucination & trust guidelines