

Understanding AI, ML, and Generative AI for Beginners

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Duration: 2.5 hrs

Demonstration to various AI tools

1. Introduction to AI & Generative AI

- What is AI?
- Evolution of AI: Key Breakthroughs
- AI vs. Generative AI

2. Understanding Machine Learning (ML)

- Basics of Machine Learning
- Types of ML: Supervised, Unsupervised Learning
- Deep Learning and Neural Networks

3. Generative AI: Creating New Content

- What is Generative AI?
- How Generative AI Works
- Examples: ChatGPT, DALL-E, Microsoft Copilot

4. AI Applications in Daily Life

- Virtual Assistants (Siri, Alexa)
- Recommendation Systems (Netflix, Amazon)

5. Prompt Engineering: Getting the Best from AI

- What is a Prompt?
- Writing Effective Prompts
- Practical Examples

6. Ethics & Responsible AI Use

- AI Bias & Real-World Case Studies
- Transparency & Explainability
- Safety, Privacy, and Data Security

7. Practical Use Cases & Future Opportunities

- AI in Marketing & Content Creation
- AI for Software Development & Coding
- AI's Role in Education & Healthcare

8. Future of Generative AI

- Trends and Emerging Technologies
- Career & Business Opportunities in AI

9. Hands-on Demo & Q&A

- Live Interaction with AI Tools
- Open Discussion and Wrap-up