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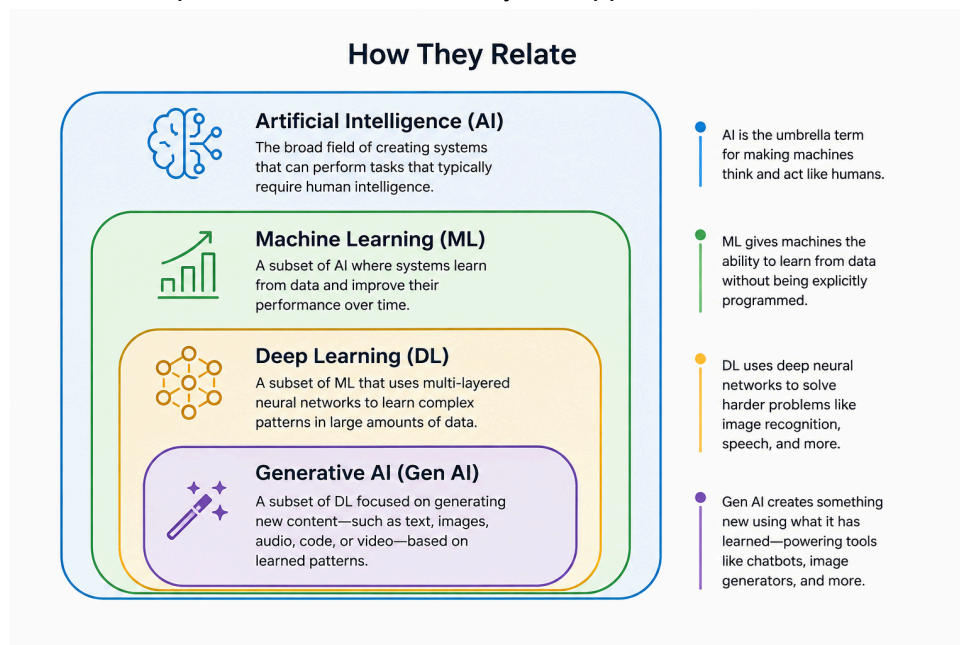
This syllabus will vary once we start the class. Feel free to give your input about what you want to learn and how you want to leverage it in the cohort.

AI for Business Professionals

Syllabus:

Lesson - 1:

- What is AI, Machine Learning, Deep Learning, and Generative AI?
- Examples of each and how they are applied in the real world.



- Using AI to Generate Value
- Cases of Value Creation
- Knowledge Check

Lesson 2:-

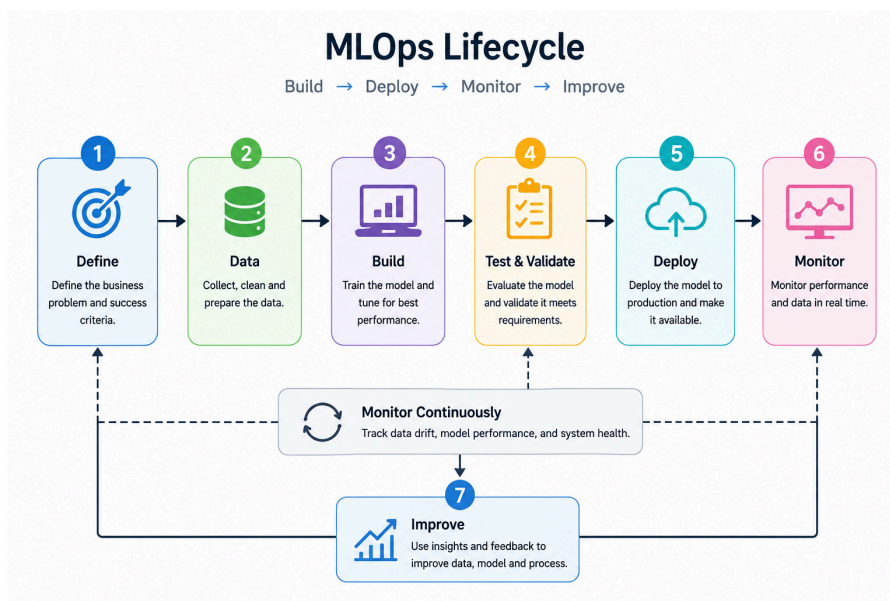
- What is Machine Learning?
- Types of data used in Machine Learning, types of ML, and inferencing?
- Uses cases of ML
- Knowledge Check

Lesson 3:-

- ML Development Cycle



- MLOps



- Knowledge Check

Lesson 4:-

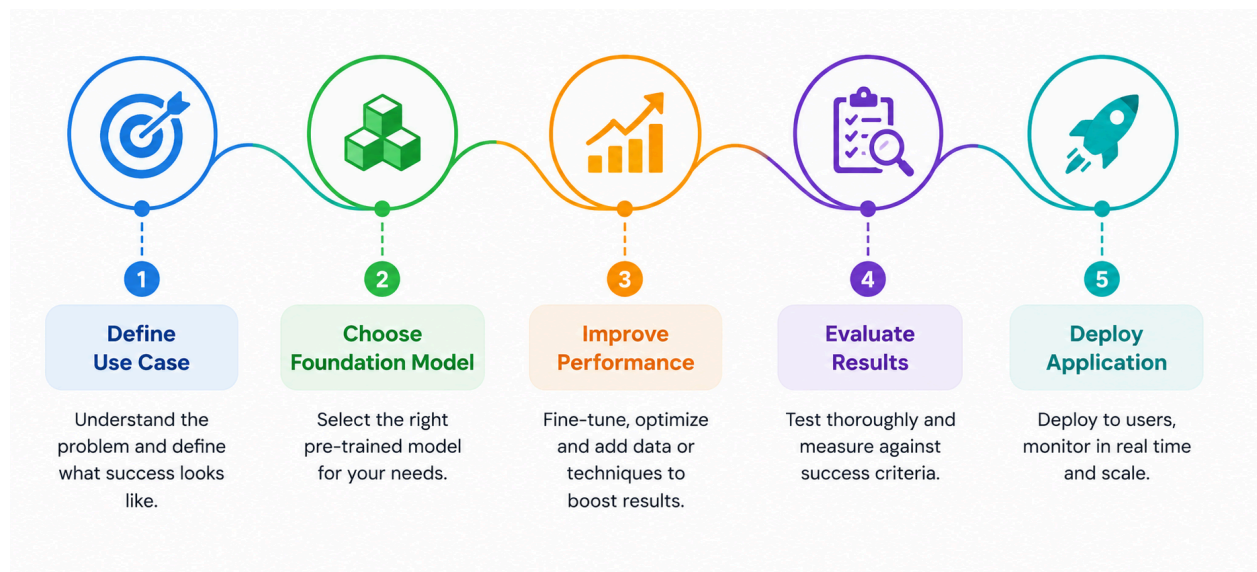
- What is Deep Learning?
- What are Neural Networks?
- Use cases of Neural Networks.
- Knowledge Check

Lesson 5:-

- What is Generative AI?
- Foundational Models and LLM.
- Use cases of FM and LLMs
- Knowledge Check

Lesson 6:-

- What is RAG?
- Real world applications of RAG



- Knowledge Check

Lesson 7:- Prompt Engineering

- What is a Prompt?
- Major Prompt Techniques.
- Prompt Risks and Misuses
- Knowledge Check

Lesson 8:- Agentic AI

- What is Agentic AI?
- How does an AI Agent work?
- Components of AI Agent.

- Types and Applications of AI Agents
- Building and Using an AI Agent.
- Knowledge Check.

Lesson 9:- Responsible AI practices.

- What is Responsible AI?
- Challenges.
- Considerations to select a Responsible AI Model.
- Design considerations for developing Responsible AI applications.

Lesson 10:- Case Study 1 - Use of AI in making better decisions based on data

- Knowledge Check

Lesson 11:- Case Study 2 - Business Documentation

- Knowledge Check

Lesson 12:- Case Study 3 -Customer Support (Agentic AI)

- Knowledge Check

Lesson 13:- Comprehensive Guide to Claude AI.

- Knowledge Check

Lesson 14:- Claude AI comprehensive guide (most things are application in other chatGPT, Perplexity, etc)

- Mastering Communication with Claude AI.
- Harnessing AI for marketing
- Knowledge Check

Lesson 15:- Claude AI comprehensive guide (most things are application in other chatGPT, Perplexity, etc)

- Mastering Sales with Claude AI.
- Automation
- Knowledge Check

Lesson 16:- Claude AI Workflow use case.

- Knowledge Check

Lesson 17:- Summary 1

Lesson 18:- Summary 2

Lesson 19:- Final Exam

