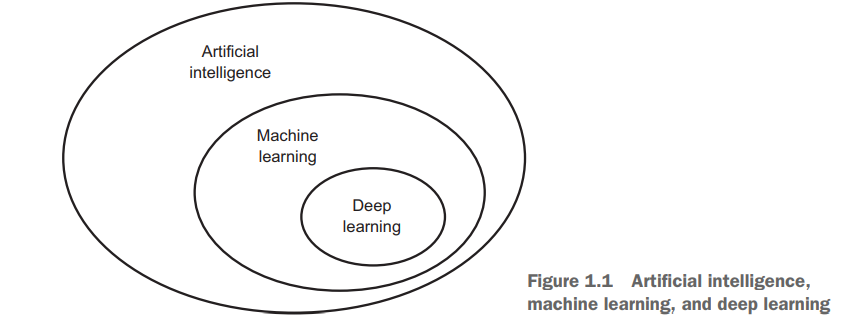
**Chapter 1 Summary:**

# **This chapter covers**

* High-level definitions of fundamental concepts
* Timeline of the development of machine learning
* Key factors behind deep learning’s rising popularity and future potential



**Artificial Intelligence**

Artificial Intelligence is Ability of a computer program or a machine to think and learn itself. In One Line (Simply A Program that can sense, Reason, act & adapt.)

**Machine Learning**

Machine Learning is a subset of AI Algorithms whose performance improves as they are exposed to more data over time.

In simple a machine that can learn from data, not from handcrafted rules.

**Deep learning**

A machine that learns from Neural networks or artificial neural network inspired by the human brain& in which feature engineering is Easy as Compared to Machine learning.