



- **Artificial Intelligence (AI)**

AI is a broad field that involves creating systems capable of performing tasks that typically require human intelligence, such as problem-solving, decision-making.

- **Machine Learning (ML)**

ML is a subset of AI that focuses on training algorithms to learn from data and make predictions or decisions without being explicitly programmed.

- **Deep Learning (DL)**

DL is a specialized subset of ML that uses neural networks with multiple layers to process large datasets and perform complex tasks like image recognition.

- **Data Science**

Data Science is a field that focuses on extracting insights from data using statistics, data analysis, and machine learning. While it overlaps with AI, ML, and DL in certain areas, it also includes broader topics like data visualization, data engineering, and business analytics.