

## **Introduction to Data Science**

Data science involves collecting, analyzing, and interpreting data. It is widely used in business, healthcare, and finance.

## **Machine Learning Basics**

Machine learning is a subset of AI. It allows systems to learn from data and improve over time.

## **Applications of Machine Learning**

Common applications include recommendation systems, image recognition, and fraud detection.

Data plays a key role in all these systems.

## **Challenges in Machine Learning**

Some challenges include overfitting, data bias, and lack of interpretability.