



DAILY WORK  
REPORT  
TR-02

INFOWIZ  
6 JUNE 2024

# Day 1: Introduction to Machine Learning Fundamentals

**Objective:** Gain a foundational understanding of Machine Learning (ML) and its applications in real-world scenarios.

## Introduction to Machine Learning:

- Defined Machine Learning and its significance in data analysis and decision-making processes.
- Discussed the difference between traditional programming and ML approaches.
- Introduced supervised, unsupervised, and reinforcement learning paradigms.

## Real-World Applications:

Explored practical examples of ML across industries:

- Predictive analytics in finance for risk assessment.
- Image recognition in healthcare for disease diagnosis.
- Personalized recommendations in e-commerce for enhancing customer experience.

## Basic Concepts Covered:

- **Supervised Learning:**
  - Algorithms learn from labeled data to make predictions or decisions.
- **Unsupervised Learning:**
  - Algorithms identify patterns and structures in unlabelled data.
- **Reinforcement Learning:**
  - Algorithms learn by trial and error through interactions with an environment.