Machine learning (ML) is a subset of artificial intelligence (AI) that enables systems to automatically learn a

In machine learning, there are several key types of learning:

1. Supervised Learning: The algorithm is trained on labeled data, meaning that each input is paired with the

2. Unsupervised Learning: The model works with unlabeled data and attempts to uncover hidden patterns

3. Reinforcement Learning: The model learns by interacting with an environment and receiving feedback in

Some popular algorithms in machine learning include:

- Linear Regression: For predicting a continuous variable.

- Decision Trees: For classification and regression tasks.

- Support Vector Machines (SVM): Used for classification by finding the optimal hyperplane.

- Neural Networks: For tasks like image and speech recognition, neural networks mimic the structure of the

Machine learning has a wide range of applications, including natural language processing, computer vision