# **Introduction to Deep Learning**

#### **Key Concepts:**

- Artificial neural networks
- Multiple layers
- Automatic feature learning
- · Large amounts of data

### **Important Definitions:**

- Deep learning: a subfield of machine learning
- Artificial neural networks: inspired by the human brain

## **Examples:**

■ Image recognition using deep learning models

#### **Summary:**

Deep learning is a subfield of machine learning that uses artificial neural networks to analyze and interpret data