

AI, DATA SCIENCE & MACHINE LEARNING COURSE



EMPOWERING YOUR BUSINESS WITH
FUTURE-READY TECHNOLOGY

www.kentrainings.online

Course Details

- ✓ Duration - 30 Days
 - ✓ Format - Lectures + Hands-on Practical Sessions
 - ✓ Training Type - Classroom Training
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Why AI, Data Science, and Machine Learning

Learning AI, Data Science, and Machine Learning opens doors to one of the most in-demand and future-focused career paths.

These technologies power innovations across industries—from healthcare and finance to retail and logistics—enabling smarter decision-making, automation, and data-driven insights.

By mastering these skills, you can:

- Solve complex real-world problems
 - Unlock career opportunities in high-growth sectors
 - Improve business intelligence and predictive capabilities
 - Drive innovation through automation and intelligent systems
 - Stay relevant in a tech-driven job market
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Key benefits

- ✓ Increased Job Opportunities
 - ✓ Career Growth
 - ✓ Business Empowerment
 - ✓ Freelance Potential
 - ✓ Legal Compliance
 - ✓ Financial Literacy
 - ✓ Practical Skillset
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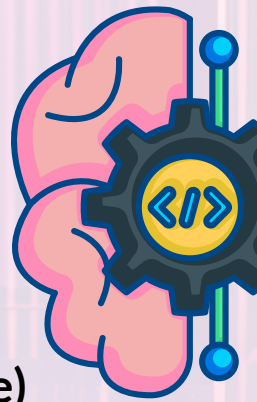
Course Outline

Module 1: Introduction to Data Science & ML

- AI vs ML vs Deep Learning
- Types of ML: Supervised, Unsupervised, Reinforcement Learning
- Python Basics for Data Science (Numpy, Pandas, Matplotlib)
- Data Preprocessing & Cleaning
- Exploratory Data Analysis (EDA) & Visualization
- Feature Engineering & Selection

Module 2: Supervised Learning

- Linear & Logistic Regression
- Decision Trees & Random Forest
- Support Vector Machines (SVMs)
- Model Evaluation (Accuracy, Precision, Recall, F1-Score)



Module 3: Unsupervised Learning

- Clustering (K-Means, Hierarchical)
- Dimensionality Reduction (PCA, t-SNE)
- Mini-Project (Customer Segmentation, Spam Detection, etc.)

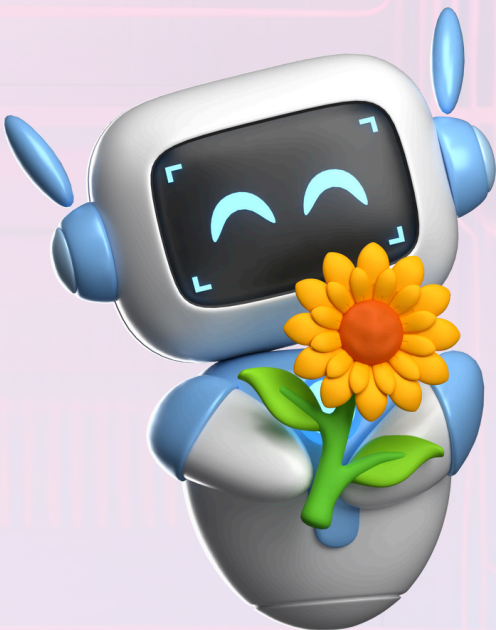
Module 4: Deep Learning & Model Deployment

- Introduction to Neural Networks
- Basics of TensorFlow & Keras
- Model Deployment (Flask/Streamlit)



Module 5: Final Topics

- Capstone Project
- Career Path in Data Science & ML
- Roadmap for Further Learning (MLOps, NLP, Advanced DL)



NEED MORE DETAILS ? :
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