EZEL TECH

Your IT Solutions Partner

COURSE NAME

AI, Data Science & Machine Learning

COURSE DETAILS

- ☑ **Duration - 30 Days**
- ☑ **Format - Lectures + Hands-on Practical Sessions**
- ☑ **Training Type – Classroom Training**

WHY LEARN OPENSHIFT

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

WHO SHOULD ATTEND

- ☑ **DevOps Engineers**
- ☑ **System Administrators**
- ☑ **Cloud Architects**
- ☑ **IT Professionals transitioning to Kubernetes/OpenShift**

ABOUT EZEL TECH TRAINING ACADEMY

Ezel Tech offers industry-focused technical training across domains like software development, cloud computing, cybersecurity, AI, and data analytics. With customized curriculums, hands-on learning, and expert-led sessions, both on-premise and virtual formats ensure flexibility. Post-training support and mentorship help professionals stay competitive and drive business success.

CONTACT DETAILS

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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)