

AI/ML

Day 1: Data Preprocessing and Introduction to AI/ML:

- Introduction to Data Preprocessing
- Getting Datasets
- Importing Libraries
- Finding Missing Data
- Encoding Categorical Data
- Splitting the Dataset
- Feature Scaling
- Salary Prediction (salary.csv)
- Exploratory Data Analysis using Titanic Dataset (train.csv)
- Startups Prediction (startups.csv)

Day 2: AI, Machine Learning, and Basic Algorithms:

- Introduction to Artificial Intelligence
- Applications of AI
- Introduction to Machine Learning
- History of Machine Learning
- Features of Machine Learning
- Classification of Machine Learning
- Applications of Machine Learning
- Types of Regression: Linear, Non-Linear, Multi-Linear, Polynomial Regression
- Examples using Datasets
- Types of Classification: KNN, Naive Bayes Classifier, Logistic Regression
- Examples using Datasets
- Introduction to Clustering and Association

Day 3: Advanced Topics and Practical Applications:

- Introduction to Chatbots
- Creation of Chatbots
- Examples of Deploying Chatbots

- Afternoon Session: Deep Learning and Teachable Machine
- Introduction to Deep Learning
- Types of Deep Learning
- Examples of Deep Learning
- Introduction to Teachable Machine
- Convolutional Neural Networks (CNN)