

# AFFORDABEL AI/ML TRAINING

Join us for a 2 months long intensive training and internship.  
Get placed as a Data Scientist or a machine Learning  
Engineer in your Dream Company.

**WEEKDAYS BATCH (MON. TO FRI.)**  
**TIMING : 9 PM TO 10:30 PM**

**WEEKEND BATCH (SAT & SUN)**  
**TIMING : 12:00 TO 2:00 PM**

**CLASS MODE : ONLINE LIVE**

Limited seats ( only 20 seats available ) Join NOW!!!

# KNOWLEDGE SHELF

## PREREQUISITES :

- Participants must have basic knowledge of any programming language.
- 1 - PC or Laptop with Windows 8 or 10, Linux or Mac.
- 1 Internet Connection.

## YOU WILL LEARN HOW TO :

- A way to determine and measure problem complexity.
- Work with Python Programming.
- Statistical Math for the Algorithms.
- Supervised and unsupervised learning.
- Classification and Regression.
- Introduction to Deep Learning.
- AI Programming & Use Cases

## INTRODUCTION TO PYTHON PROGRAMMING

- What is Python ?
- Understanding the IDLE.
- Lists, tuples, dictionaries, variables.
- Control Structure – If loop, For loop and while Loop.
- Single line loops.
- File Handling.
- File Input and Output.
- Python OOP Programming.

# KNOWLEDGE SHELF

## DATA ANALYSIS & DATA MANIPULATION IN PYTHON

- **Intro to Numpy.**
- **Creating Arrays.**
- **Creating Matrices.**
- **Creating Vectors.**
- **Basic statistics.**
- **Intro to Pandas.**
- **Working with .csv files.**
- **Data Acquisition (Import & Export).**
- **Selection and Filtering.**
- **Combining and Merging Data Frames.**
- **Removing Duplicates & String Manipulation.**

## DATA VISUALIZATION IN PYTHON

- **Introduction to Data Visualization.**
- **Visualization Importance.**
- **Working with Data visualization libraries.**
- **Matplotlib, Seaborn.**
- **Creating Line Plots, Bar Charts, Pie Charts, Histograms, Scatter Plots.**
- **Data Visualization using .csv files.**



## STATISTICS FOR DATA ANALYSIS

- Learn about constructs, population vs sample, correlation vs causation, hypotheses, and experimentation.
- Visualizing Data, Central Tendency, Variability, Standardizing.
- Normal and Sampling Distribution.
- Estimation, Hypothesis Testing
- t-tests and much more.

## INTRODUCTION TO MACHINE LEARNING & AI

- AI vs. Machine Learning vs. Data Science.
- 1.Simple, Multiple and Polynomial Linear Regression.
- 2.Support Vector Regression.
- 3.Decision Tree Regression.
- 4.Random Forest Regression.
- 5.Logistic Regression.
- 6.K-Nearest Neighbors.
- 7.Support Vector Machine (SVM).
- 8.Kernel SVM.
- 9.Naive Bayes.

# KNOWLEDGE SHELF

10. Decision Tree Classification.
11. Random Forest Classification.
12. K-Means Clustering.
13. Hierarchical Clustering.
14. Apriori.
15. Eclat.
16. Upper Confidence Bound(UCB).
17. Thompson Sampling.

## INTRODUCTION TO DEEP LEARNING

1. What is Deep Learning
2. Artificial Neural Nets ( ANN ).
3. Convolutional Neural Nets ( CNN ).
4. Recurrent Neural Nets ( RNN ).

## FLASK WEB DEVELOPMENT

- Introduction to Flask Framework.
- Working with HTML Basics.
- Introduction to Bootstrap.
- Flask templating
- Intro to CRUD.
- Todo Application development.
- Application Deployment.

# KNOWLEDGE SHELF

**Course Fee**

**INR 5500/-**

The cost will include the certification of training. On the completion of the final project ,you will receive a certificate of completion of the training.

**Limited seats (20) so apply now...**