

# MACHINE LEARNING MASTER CLASS

- + Day-1: Overview A.I | Machine Learning
- + Day-2: Introduction to Python | How to write code in Google Colab, Jupyter Notebook, Pycharm & IDLE

## **SUPERVISED LEARNING - CLASSIFICATION & REGRESSION**

- + Day-3: Advertisement Sale prediction from an existing customer using LOGISTIC REGRESSION
- + Day-4: Salary Estimation using K-NEAREST NEIGHBOR
- + Day-5: Character Recognition using SUPPORT VECTOR MACHINE
- + Day-6: Titanic Survival Prediction using NAIVE BAYES
- + Day-7: Leaf Detection using DECISION TREE
- + Day-8: Handwritten digit recognition using RANDOM FOREST
- + Day-9: Evaluating Classification model Performance using CONFUSION MATRIX, CAP CURVE ANALYSIS & ACCURACY PARADOX
- + Day-10: Classification Model Selection for Breast Cancer classification
- + Day-11: House Price Prediction using LINEAR REGRESSION Single Variable
- + Day-12: Exam Mark Prediction using LINEAR REGRESSION Multiple Variable

## WARRIORS WAY COACHING PROGRAM

- + Day-13: Predicting the Previous salary of the New Employee using POLYNOMIAL REGRESSION
- + Day-14: Stock price prediction using SUPPORT VECTOR REGRESSION
- + Day-15: Height Prediction from the Age using DECISION TREE REGRESSION
- + Day-16: Car price prediction using RANDOM FOREST
- + Day-17: Evaluating Regression model performance using R-SQUARED INTUITION & ADJUSTED R-SQUARED INTUITION
- + Day-18: Regression Model Selection for Engine Energy prediction.

### UNSUPERVISED LEARNING – CLUSTERING

- + Day-19: Identifying the Pattern of the Customer spent using K-MEANS CLUSTERING
- + Day-20: Customer Spending analysis using HIERARCHICAL CLUSTERING
- + Day-21: Leaf types data visualization using PRINCIPLE COMPONENT ANALYSIS
- + Day-22: Finding Similar Movie based on ranking using SINGULAR VALUE DECOMPOSITION

### UNSUPERVISED LEARNING – ASSOCIATION

- + Day-23: Market Basket Analysis using APRIORI
- + Day-24: Market Basket Optimization/Analysis using ECLAT

# WARRIORS WAY COACHING PROGRAM

## REINFORCEMENT LEARNING

- + Day-25: Web Ads. Click through Rate optimization using UPPER BOUND CONFIDENCE

## NATURAL LANGUAGE PROCESSING

- + Day-26: Sentimental Analysis using Natural Language Processing
- + Day-27: Breast cancer Tumor prediction using XGBOOST

## DEEP LEARNING

- + Day-28: Bank Customer classification using ANN
- + Day-29: Pima-Indians Diabetes Classification using CONVOLUTIONAL NEURAL NETWORK
- + Day-30: A.I Snake Game using REINFORCEMENT LEARNING

