

Module 05

29th Jan'23 overview



29th Jan Live Class Overview

Module 06

30th Jan'23 python basics



30th Jan Live Class Python Basics

Module 07

31st Jan'23 list , tuple and set



31st Jan Live Class List , Tuple And Set

Module 08

1st Feb'23 dict , conditional ,loop



1st Feb Live Class Dict , Conditional ,Loop

Module 09

2nd Feb'23 For Loop Practice



For Loop Practice



31st Jan Quiz-2



Python Assignment

Module 10

3rd Feb'23 While loop, Comprehension & Function



While Loop








Comprehension



Functions Part 1






Module 10

3rd Feb'23 While loop, Comprehension & Function

-  While Loop
-  Comprehension
-  Functions Part 1
-  Python Assignment
-  Feb 3 ,Python Quiz




Module 11

4th Feb'23 Functions

-  Generator Functions
-  Lambda Functions
-  Map, Reduce & Filter Functions
-  Python Assignment
-  Feb 4 Python Quiz

Module 12

5th Feb'23 OOPS

-  OOPS PART 1
-  OOPS Assignment
-  OOPS Quiz

Module 12

5th Feb'23 OOPS



OOPS PART 1



OOPS Assignment



OOPS Quiz

Module 13

Data Science master quiz



29 Th Jan Quiz



30th Jan Quiz



30th Jan Quiz-2



31st Jan Quiz



Feb 2 Python_Quiz_

Module 14

Assignments



29th Jan Python Assignment



30th Jan Python Assignment

Module 15

6th Feb'23 Python Task



Python Task 1



Python Task Quiz

Module 15

6th Feb'23 Python Task



Python Task 1



Python Task Quiz

Module 16

7th Feb'23 Python Task 2



Python Task 2



Python Task 2 Quiz

Module 17

8th Feb'23 OOPs



Polymorphism



Encapsulation



Inheritance



OOPS Assignment



Abstraction



OOPs Quiz

Module 18

9th Feb'23 OOPS TASK



OOPS TASK



OOPS TASK Quiz

Module 18

9th Feb'23 OOPS TASK



OOPS TASK



OOPS TASK Quiz

Module 19

10th Feb'23 OOPs Concepts



Decorators



Class Methods



Static Method



Special (Magic/Dunder) Methods



Property Decorators - Getters, Setters, And Deletes



OOPs Assignment



OOPs Concepts Quiz

Module 20

11 Feb'23 Files



Working With Files



Reading And Writing Files



Buffered Read And Write & Other File Methods



Logging & Debugger

Module 20

11 Feb'23 Files

- ✓ Working With Files
- ✓ Reading And Writing Files
- ✓ Buffered Read And Write & Other File Methods
- ✓ Logging & Debugger
- ✓ Modules And Import Statements
- ✓ Files Quiz

Module 21

12 Feb'23 Exception Handling

- ✓ Exceptions Handling With Try-Except
- ✓ Custom Exception Handling
- 📅 Exception Handling Assignment
- ✓ Exception Handling Quiz

Module 22

13 Feb'23 Exception Handling

- ✓ List Of General Use Exceptions
- ✓ Best Practice Exception Handling
- 📅 Exception Handling Assignment

Module 22

13 Feb'23 Exception Handling

- ✓ List Of General Use Exceptions
- ✓ Best Practice Exception Handling
- 📅 Exception Handling Assignment
- ✓ Exception Handling Quiz

Module 23

14th Feb'23 Multithreading

- ✓ Multithreading
- 📅 Multithreading Assignment
- ✓ Multithreading Quiz

Module 24

15 Feb'23 Memory Management

- ✓ Multiprocessing
- ✓ Memory Management Quiz




Module 25

16 Feb'23 Database

- ✓ Working With SQL
- 📅 Mysql Assignment
- ✓ Database Quiz




Module 25

16 Feb'23 Database

-  Working With SQL
-  Mysql Assignment
-  Database Quiz







Module 26

17 Feb'23 Database

-  Working With MongoDB
-  MondoDB Assignment
-  Database Quiz

Module 27

18 Feb'23 Web API

-  What Is Web Api?
-  Difference B/W Api And Web Api
-  Rest And Soap Architecture
-  Restful Services
-  API Assignment
-  Web API Quiz

Module 28

19th Feb'23 Flask

Module 28

19th Feb'23 Flask



Flask Introduction, Application, Open Link Flask, App Routing Flask & l



Flask Assignment-1



Flask Quiz

Module 29

20th Feb'23 Flask



Git



Flask Http Methods, Templates, Project & Postman



Flask Assignment-2



Flask Quiz

Module 30

21 Feb'23 Python Project :- Web Scrapping



Web Scrapping Introduction



Integration With Rest API, Web Portal And MongoDB



Deployment On Web Portal On AWS Cloud



Web Scraping Assignment

Module 31

22 Feb'23 Python Project : - Image Scrapper



Image Scrapper

Module 31

22 Feb'23 Python Project : - Image Scrapper



Image Scrapper



Deployment In Azure



Image Scrapper Assignment

Module 32

23 Feb'23 Pandas Basic



Pandas Basic



Pandas Basic Assignment



Pandas Basic Quiz

Module 33

24 Feb'23 Pandas Advance



Pandas Advance



Pandas Assignment



Pandas Advance Quiz

Module 34

25 Feb'23 Pandas Advance



Pandas Part 3



Pandas Part 4



Pandas Part 5

Module 34

25 Feb'23 Pandas Advance



Pandas Part 3



Pandas Part 4



Pandas Part 5



Pandas Assignment



Pandas Advance Quiz

Module 35

26th Feb'23 Numpy



Numpy Part-1



Numpy Part-2



Numpy Part-3



Numpy Assignment



Numpy Quiz

Module 36

2 Mar'23 Visualization

Module 37

Python Practice Questions



Python Practice Set 1



Python Practice Set -2



Python Practice Set -3



Python Practice Set -4



Python Practice Set -5



Python Practice Set -6



Python Practice Set -7



Python Practice Set -8



Python Practice Set -9



Python Practice Set -10



Python Practice Set -11

Module 38

Python Practice Solutions



Python Practice Set-1



Python Practice Set-2



Python Practice Set-3

Module 39

3rd March Visualization



Seaborn



Seaborn Assignment



Seaborn Quiz

Module 40

4th March Visualization



Plotly



Plotly Assignment



Plotly Quiz

Module 41

5th March Visualization



Bokeh



Bokeh Assignment



Bokeh Quiz

Module 42

6 Mar'23 Statistics Basic



Introduction To Statistics



Types Of Statistics



Types Of Data










Module 42

6 Mar'23 Statistics Basic

-  Introduction To Statistics
-  Types Of Statistics
-  Types Of Data
-  Levels Of Measurement
-  Statistics Assignment












Module 43

7 Mar'23 Statistics Basic

-  Measures Of Central Tendency
-  Measures Of Central Tendency Part 2
-  Measures Of Dispersion
-  Measures Of Dispersion Part 2
-  Random Variables
-  Sets
-  Histogram & Skewness
-  Covariance & Correlation
-  Covariance & Correlation Part 2




Module 43

7 Mar'23 Statistics Basic

-  Measures Of Central Tendency
-  Measures Of Central Tendency Part 2
-  Measures Of Dispersion
-  Measures Of Dispersion Part 2
-  Random Variables
-  Sets
-  Histogram & Skewness
-  Covariance & Correlation
-  Covariance & Correlation Part 2
-  Statistics Basic-2 Quiz
-  Statistics Assignment

Module 44

8 Mar'23 Statistics Advance

-  Probability Density/Distribution Function
-  PDF, PMF & CDF
-  Types Of Probability Distribution

Module 44

8 Mar'23 Statistics Advance

- ▶ Probability Density/Distribution Function
- ▶ PDF, PMF & CDF
- ▶ Types Of Probability Distribution
- ▶ Bernoulli Distribution
- ▶ Binomial Distribution
- ▶ Poisson Distribution
- ▶ Normal Or Gaussian Distribution
- ▶ Statistics Advance Assignment
- ▶ Statistics Advance Quiz






Module 45

9 Mar'23 Statistics Advance

- ▶ Uniform Distribution
- ▶ Z Stats & Z Table
- ▶ Central Limit Theorem
- ▶ Statistics Advance Assignment
- ▶ Statistics Advance Quiz









Module 45

9 Mar'23 Statistics Advance

-  Uniform Distribution
-  Z Stats & Z Table
-  Central Limit Theorem
-  Statistics Advance Assignment
-  Statistics Advance Quiz

Module 46

10 Mar'23 Statistics Advance







-  Estimate
-  Hypothesis Testing & Mechanism
-  P Value
-  Z Test With Examples
-  Student T Distribution
-  T Stats & T Test
-  Statistics Advance Assignment
-  Statistics Advance Quiz

Module 47

11 Mar'23 Statistics Advance






Module 47

11 Mar'23 Statistics Advance

-  When To Use T Test Vs Z Test?
-  Type 1 & Type 2 Error
-  Confidence Interval & Margin Of Error
-  Bayes Theorem
-  Statistics Advance Assignment
-  Statistics Advance Quiz



Module 48

12 Mar'23 Statistics Advance

-  What Is Chi Square Test?
-  Chi Square For Goodness Of Fit
-  Chi Square Test With Python
-  Statistics Advance Assignment
-  Statistics Advance Quiz






Module 49

13 Mar'23 Statistics Advance

-  F Distribution
-  Variance Ratio Test (F Test)







Module 49

13 Mar'23 Statistics Advance

-  F Distribution
-  Variance Ratio Test (F Test)
-  F Test With Python
-  Statistics Advance Assignment
-  Statistics Advance Quiz



Module 50

14 Mar'23 Statistics Advance

-  Anova
-  Assumptions In Anova
-  Types Of Anova
-  Partition Of Variance In Anova
-  Statistics Advance Assignment
-  Statistics Advance Quiz






Module 51

15 Mar'23 Introduction To Machine Learning

-  AI Vs ML Vs DL Vs DS
-  Supervised, Unsupervised & Reinforcement Learning




Module 51

15 Mar'23 Introduction To Machine Learning

-  AI Vs ML Vs DL Vs DS
-  Supervised, Unsupervised & Reinforcement Learning
-  Train, Test & Validation
-  Machine Learning Assignment
-  Machine Learning Quiz






Module 52

16 Mar'23 Introduction To Machine Learning

-  Variance, Bias, Overfitting & Underfitting
-  Machine Learning Assignment
-  Machine Learning Quiz

Module 53

17 Mar'23 Feature Engineering

-  Handling Missing Values
-  Handling Imbalanced Dataset
-  SMOTE
-  Data Interpolation
-  Handling Outliers

Module 53

17 Mar'23 Feature Engineering



Handling Missing Values



Handling Imbalanced Dataset



SMOTE



Data Interpolation



Handling Outliers



Feature Engineering Quiz

Module 54

18 Mar'23 Feature Engineering



Feature Selection Update



Feature Engineering



Feature Engineering Quiz

Module 55

19 Mar'23 Feature Engineering



Feature Extraction



Feature Scaling Normalization










Normalization Min Max Scaling



Unit Vectors Feature Scaling





Module 55

19 Mar'23 Feature Engineering

-  Feature Extraction
-  Feature Scaling Normalization
-  Normalization Min Max Scaling
-  Unit Vectors Feature Scaling
-  PCA
-  Feature Engineering Assignment
-  Feature Engineering Quiz



Module 56

20 Mar'23 Feature Engineering

-  Data Encoding
-  Nominal Or One Hot Encoding
-  Feature Engineering Assignment
-  Feature Engineering Quiz





Module 57

21 Mar'23 Feature Engineering

-  Label & Ordinal Encoder
-  Target Guided Ordinal Encoding





Module 57

21 Mar'23 Feature Engineering

-  Label & Ordinal Encoder
-  Target Guided Ordinal Encoding
-  Feature Engineering Assignment
-  Feature Engineering Quiz






Module 58

22 Mar'23 Feature Engineering

-  Covariance And Correlation
-  Covariance And Correlation With Python
-  Feature Engineering Assignment
-  Feature Engineering Quiz

Module 59

24 Mar'23 Exploratory Data Analysis

-  EDA With Red Wine Data
-  EDA Student Performance Indicator
-  EDA Forest Fires
-  EDA Assignment
-  EDA Quiz

Module 60

25 Mar'23 Exploratory Data Analysis



EDA Flight Price



EDA Google Playstore



EDA Assignment



EDA Quiz

Module 61

26 Mar'23 Regression



Simple Linear Regression



Multiple Linear Regression



Polynomial Linear Regression



Regression Assignment



Regression Quiz

Module 62

27 Mar'23 Regression



R Squared Adjusted R Squared



MSE, MAE & RMSE



Simple Linear Regression With Python



Multiple Linear Regression



MSE,MAE & RMSE



Simple Linear Regression With Python



Multiple Linear Regression



Regression Assignment



Regression Assignment

Module 63

28 Mar'23 Regression



Ridge Regression



Regression Assignment



Regression Quiz

Module 64

29 Mar'23 Regression



Lasso Regression



Regression Assignment



Regression Quiz

Module 65

30 Mar'23 Regression

Module 65

30 Mar'23 Regression

- ▶ Elastic Net Regression
- ▶ EDA With Algerian Forest Fire
- ▶ Model Training For Ridge, Lasso & Elastic Net
- ▶ Regression Assignment
- ▶ Regression Quiz

Module 66

31 Mar'23 Regression

- ▶ End To End ML Project
- ▶ Git Commit End To End Project
- ▶ ML Project Deployment
- ▶ Regression Assignment
- ▶ Regression Quiz















Module 67

1st - 3rd April'23 Logistics Regression

- ▶ Logistic Regression Indepth Intuition
- ▶ Logistic Regression With Regularization
- ▶ Performance Metrics Confusion Matrix, Accuracy, Precision & Recall

Module 67

1st - 3rd April'23 Logistics Regression





-  Logistic Regression Indepth Intuition
-  Logistic Regression With Regularization
-  Performance Metrics Confusion Matrix, Accuracy, Precision & Recal
-  Cross Validation & Types
-  Hyperparameter Tuning
-  Logistic Regression Implementation
-  Logistic Regression Multiclass Classification
-  End To End Project Deployment
-  Logistics Regression Assignment
-  Logistics Regression Quiz
-  Logistics Regression- 2 Assignment
-  Logistics Regression- 2 Quiz
-  Logistics Regression-3 Assignment
-  Logistics Regression-3 Quiz

Module 68

4th-5th April'23 Decision Trees





Module 68

4th-5th April'23 Decision Trees

-  Decision Tree Classifier Intuition
-  Decision Tree For Numerical Split
-  Post Pruning And Prepruning Decision Trees
-  Decision Tree Classifier Implementation
-  Decision Tree Post Pruning
-  Decision Tree Regressor In-Depth Intuition
-  Decision Tree Regressor Implementation
-  Decision Tree-1 Assignment
-  Decision Tree-1 Quiz
-  Decision Tree-2 Assignment












Module 69

6th-8th April'23 Support Vector Machines

-  Support Vector Classifier Indepth Intuition
-  Support Vector Machines Classifier
-  Support Vector Regressor Indepth Intuition
-  Support Vector Regressor Implementation




Module 69

6th-8th April'23 Support Vector Machines

-  Support Vector Classifier Indepth Intuition
-  Support Vector Machines Classifier
-  Support Vector Regressor Indepth Intuition
-  Support Vector Regressor Implementation
-  SVM Kernels Intuition
-  SVM Kernels Implementation
-  Support Vector Machines-1 Assignment
-  Support Vector Machines Quiz
-  Support Vector Machines-2 Assignment
-  Support Vector Machines-2 Quiz
-  Support Vector Machines-3 Assignment

Module 70

9th-10th April'23 Naive Bayes

-  Naive Bayes Indepth Intuition
-  Variants Of Naive Bayes Algorithms
-  Naive Bayes Practical Implementation

Module 70

9th-10th April'23 Naive Bayes

- ▶ Naive Bayes Indepth Intuition
- ▶ Variants Of Naive Bayes Algorithms
- ▶ Naive Bayes Practical Implementation
- ▶ End To End Project Decision Tree SVC
- 📅 9th April Assignment
- 📅 10th April Assignment
- ❓ 9th April Quiz
- ❓ 10th April Quiz

Module 71

11th-15th April'23 Ensemble Techniques & it's types

- ▶ Ensemble Techniques And Bagging
- ▶ Random Forest Classifier And Regressor
- ▶ Out Of Bag Score Decision Trees
- ▶ Random Forest Practical Implementation
- 📅 Ensemble Techniques & It's Types Assignment
- ❓ Ensemble Techniques & It's Types Quiz

Module 71

11th-15th April'23 Ensemble Techniques & it's types











- ▶ Ensemble Techniques And Bagging
- ▶ Random Forest Classifier And Regressor
- ▶ Out Of Bag Score Decision Trees
- ▶ Random Forest Practical Implementation
- ▶ Ensemble Techniques & It's Types Assignment
- ▶ Ensemble Techniques & It's Types Quiz
- ▶ Ensemble Techniques And Its Types-2 Assignment
- ▶ 12th April Quiz
- ▶ Ensemble Techniques And Its Types-3 Assignment
- ▶ 13th April Quiz
- ▶ Ensemble Techniques And Its Types-4 Assignment
- ▶ 14th April Quiz
- ▶ Ensemble Techniques And Its Types-5 Assignment
- ▶ 15 April Quizz

Module 72

16th-19th April 2023 Boosting





Module 72

16th-19th April 2023 Boosting

-  Boosting Technique
-  Boosting Technique
-  Gradient Bosting Indepth Intuition
-  Xgboost Classification Algorithms
-  Xgboost Regresor Algorithm
-  Boosting-1 Assignment
-  Boosting-2 Assignment
-  16th April Quiz
-  17th April Quiz
-  18th April Quiz

Module 73

20th-22nd April 2023 KNN

-  KNN Classification And Regression
-  Variants Of KNN.
-  KNN Classifier And Regr Implementation
-  KNN-1 Assignment

Module 73

20th-22nd April 2023 KNN



KNN Classification And Regression



Variants Of KNN.



KNN Classifier And Regr Implementation



KNN-1 Assignment



20th April Quiz



KNN-2 Assignment



KNN-3 Assignment



21st April Quiz



22nd April Quiz

Module 74

23rd-26th April 2023 PCA



Curse Of Dimensionality



Geometric Intuition Behind PCA



MAThematical Intuition Of PCA














PCA Practical Implementation



23rd April Assignment




Module 74

23rd-26th April 2023 PCA

-  Curse Of Dimensionality
-  Geometric Intuition Behind PCA
-  MATHemathical Intuition Of PCA
-  PCA Practical Implementation
-  23rd April Assignment
-  24th April Assignment
-  23rd April Quiz
-  24th April Quiz
-  25th April Assignment
-  25th April Quiz
-  26th April Assignment

Module 75

27th April-1st May 2023

-  K Means Indepth Intuition
-  Hierarichal Clustering Intuition
-  K Means Vs Hierarichal Clustering

Module 75

27th April-1st May 2023

- ▶ K Means Indepth Intuition
- ▶ Hierarichal Clustering Intuition
- ▶ K Means Vs Hierarichal Clustering
- ▶ DBSCAN Clustering
- ▶ Silhouette Score Clustering
- ▶ K Means Clustering Implementation
- ▶ Hierarichal Clustering Implementation
- ▶ DBSCAN Algorithms Implementation
- ▶ 27th April'23 Assignment
- ▶ 28th April'23 Assignment
- ▶ 27th Apr Quiz_Clustering
- ▶ 28 April'23 Quiz Hierarchical Clustering Intuition
- ▶ 29th April Assignment
- ▶ 29th April Quiz
- ▶ 30th April Assignment

Module 76

2nd-3rd May 2023



Anomaly Detection Isolation Forests



DBSCAN Anomaly Detection



Local Outlier Factor Anomaly Detection



Anomaly Detection Using DBSCAN Quiz



Anomaly Detection Using Local Outlier Factor Quiz



2nd May Assignment



3rd May Assignment

Module 77

4-5th May'23



Introduction Of Time Series



Components Of Time Series



Moving Average



Stationary And Non Stationary



Acf Pacf



Arima



Time Series Model Building

Module 77

4-5th May'23

- ▶ Introduction Of Time Series
- ▶ Components Of Time Series
- ▶ Moving Average
- ▶ Stationary And Non Stationary
- ▶ Acf Pacf
- ▶ Arima
- ▶ Time Series Model Building
- ▶ Time Series EDA
- 2 Time Series-2
- 📄 4th May Assignment
- 📄 5th May Assignment








Module 78

6th May'23 Diamond Price Prediction Project

- ▶ Project And Git Repository Set Up
- ▶ Advanced Project Structure Set Up
- ▶ Logging And Exception Handling



Module 78

6th May'23 Diamond Price Prediction Project

-  Project And Git Repository Set Up
-  Advanced Project Structure Set Up
-  Logging And Exception Handling
-  EDA,FE And Model Training
-  Data Ingestion ML Project
-  Data Transformation ML Project
-  Model Trainer ML Project
-  Prediction Pipeline


Module 79

16th May Neural Network A Simple Perception

-  Intro To Deep Learning & Usecases
-  Neural Network, Perceptron & Mathematical Explanation


Module 80

17 May'23 Machine Learning project discussion

-  Project 'Wafer Fault Discussion'

Module 81

20 May'23 Machine Learning project discussion

-  Project 'Wafer Fault Detection Implementation'

Module 81

20 May'23 Machine Learning project discussion



Project 'Wafer Fault Detection Implementation'

Module 82

17 - 22 May Neural Networks



Mathematical Concepts



Activation Functions



Forward & Back Propagation



Implementation Of ANN Using Keras



Callback Functions

Module 83

24th May'23 Neural Network



Regression Using ANN



Loss Function



Batch Normalisation



Regularization



Neural Network Assignment

Module 84

24th May'23 Machine learning Project discussion



24th May ML Project Discussion

Module 84

24th May'23 Machine learning Project discussion



24th May ML Project Discussion

Module 85

27th May'23 Machine learning Project discussion



27th May ML Project Discussion

Module 86

5th June '23Tensorflow & Pytorch



Regularisation In Deep Learning



Weight Initialisation



Optimizers



Tensorflow



Pytorch



Activation Function



Batch Normalization



Callback Functions



Forward & Backward Propagation



Implementation Of ANN In Keras



Optimizers



Optimizers



Regularization



TensorFlow Fundamentals



Weight Initialization



Activation Functions Quiz



Forward & Backward Propagation Quiz



Callback Functions Quiz



Loss Functions In ANN (Beginner Level) Quiz



Regularization Quiz



Batch Normalization



Optimizers In ANN Quiz



Weight Initialization Techniques In ANN Quiz



TensorFlow Fundamentals Quiz

Module 87

14th June'23 ML Project (Credit Card Fault Detection)



Live Class

Module 88

Module 88

18th June'23 Live Class



Live Class (CNN)

Module 89

23rd June'23 ML Project



23rd ML Project

Module 90

24th June'23 ML project Discussion



ML Project (Cement Strength Prediction)

Module 91

CNN



CNN Resource



CNN Foundation - 1



CNN - 2



CNN - 3 (Explainer)



CNN - 4 (LENET)



CNN - 5 (Alex Net)



25th June'23 (CNN Live Lecture)



29th June'23 (CNN Live Lecture)



10th July'23 (VGG NET)

- ▶ CNN - 3 (Explainer)
- ▶ CNN - 4 (LENET)
- ▶ CNN - 5 (Alex Net)
- ▶ 25th June'23 (CNN Live Lecture)
- ▶ 29th June'23 (CNN Live Lecture)
- ▶ 10th July'23 (VGG NET)
- ▶ 12th July'23 (Resnet)
- ▶ 14th July'23 (Inception Net)
- ▶ 17th July'23 (RCNN)
- ▶ 17th July'23 : Fast RCNN
- ▶ 20 July'23 : Faster RCNN (Object Detection)
- ▶ 26 July : Non Maximum Suppression
- ▶ Assignment - CNN Architecture
- ▶ Assignment - Fundamentals Of CNN

Module 92

YOLO




Module 92

YOLO

-  26th July'23 : Yolo
-  31st July'23 - YOLO V2
-  31st July'23 : YOLO V3
-  31st July'23 : YOLO V4
-  31st July'23 : YOLO V4 - Part -2
-  31st July'23 : YOLO V5




Module 93

07th Aug'23 : YOLO

-  YOLO V6
-  YOLO V7
-  Robo Flow (Data Annotation)

Module 94

14th Aug'23 : YOLO

-  YOLO V5 Custom Training
-  Training Custom Data Using YOLO V7
-  Face Recognition

Module 95

21 Aug'23 : GAN

Module 95

21 Aug'23 : GAN



GAN Introduction



Training Using GAN



DC GAN



Style GAN



W Gan



GAN Practical

Module 96

28 Aug '23 : NLP



Introduction To NLP



History Of NLP



Why NLP



Use Of NLP



Web Scrapping



Text Processing



Understanding Regex

Module 97

Computer Vision Project

Module 97

Computer Vision Project

- ▶ Object Racking
- ▶ Image Classification
- ▶ Image To Text
- ▶ Vision Based Attendance System
- ▶ Sign Language Detection
- ▶ Shredder System

Module 98

05th Sept'23 : NLP

- ▶ String Tokenization
- ▶ Sentence Processing
- ▶ Word Embedding
- ▶ Lemmatization In Text Processing
- ▶ Frequency Distribution
- ▶ Annotator Creation
- ▶ Word Count
- ▶ Text Normalization



Text Normalization



Word 2 Vec



Co - Occurance Vector

Module 99

18th Sep : NLP



Doc 2 Vec



Text Blob



NLTK



Genism

Module 100

RCNN & YOLO Assignment



YOLO Assignment



RCNN Assignment



GAN Assignment

Module 101

25th Sep : NLP



RNN



LSTM



Bi - LSTM

Module 101

25th Sep : NLP



RNN



LSTM



Bi - LSTM

Module 102

25th Sep : Bigdata



Introduction To Bigdata



Bigdata Application



Bigdata Pipeline



Hadoop Introduction



Hadoop Intallation



Hadoop Architecture



Hadoop Commands

Module 103

04Oct : Bigdata - Spark



Spark Overview



Spark Installation



RDD

Module 103

04Oct : Bigdata - Spark



Spark Overview



Spark Installation



RDD



Dataframes



Spark Architecture



Spark ML Lib



Spark Nlp

Module 104

Live NLP Projects



05 Oct : Chatbot Project Using LLM Model OpenAI API



Text Summarization



Name Entity Recognition (NER) Project



17th Oct : Language Transilator & Code Generation Project

Module 105

NLP Live Class



08th Oct : Rnn Intro



10th Oct : Bag Of Word , TFIDF

Module 105

NLP Live Class

- ▶ 08th Oct : Rnn Intro
- ▶ 10th Oct : Bag Of Word , TFIDF
- ▶ 13th Oct : RNN
- ▶ 15th Oct : LSTM, Bi-Directional RNN, LSTM, Bi-Directional LSTM
- ▶ Question Answer Project Using Transformer BERT
- ▶ 25th Oct : RNN, LSTM, Bi-Directional RNN, Seq2seq
- ▶ 27th Oct : Sequence To Sequence - Theory And Hands On, Seq 2 Seq.
- ▶ 28th Oct : Self-Attention, Attention Mechanism, Transformer, Attention
- ▶ 29th Oct : Transformer, BERT
- ▶ 01 Nov : Bert & Gpt

Module 106

10th Oct : Data Analytics - Tableau

- ▶ BI Introduction
- ▶ Tools Used In BI
- ▶ Methodologies Used In BI
- ▶ Data Mining, Data Analytics, Data Science

- ▶ BI Introduction
- ▶ Tools Used In BI
- ▶ Methodologies Used In BI
- ▶ Data Visualizationa And Its Popularity
- ▶ Future Impacts Of BI
- ▶ Gartner Magic Quadrant And Tableau Introduction
- ▶ System Requirements
- ▶ Tableau Product Suite
- ▶ Tableau Architecture
- ▶ Tableau Prep Introduction & Installation
- ▶ Data Preparation Using Tableau Prep, Part 1
- ▶ Data Preparation Using Tableau Prep, Part - 2
- ▶ Data Preparation, Part 3 - Aggregation, Pivoting
- ▶ Connection To Different Data Sources
- ▶ Tableau Desktop Basics

- ▶ Tableau Desktop Basics
- ▶ Basics Of Visualization
- ▶ Hierarchy, Marks Card, Bar Chart And Its Types
- ▶ Pie Chart
- ▶ Treemap And Packed Bubbles
- ▶ Maps

Module 107


Big data Live Classes

- ▶ 16th Oct : Data Engineering Introduction
- ▶ 20th Oct : Python Hacker Rank Solutions
- ▶ 21st Oct : Docker Intro And Installation
- ▶ 22nd Oct : Docker Practical
- ▶ 23rd Oct : Spark Dataframe Part - 1
- ▶ 23rd Oct : Spark Dataframe - 2
- ▶ 26th Oct : Spark Practical
- ▶ Assignment

Module 108

25th Oct : Tableau

- ▶ Text Table And Formatting Visuals
- ▶ Heatmap And Highlight Table
- ▶ Lines & Area Chart
- ▶ Circle, Side By Side Circle View And Shapes
- ▶ WordCloud
- ▶ ScatterPlot
- ▶ Histogram & Bins
- ▶ Gantt View And Waterfall Chart
- ▶ Reference Lines And Bands, Distribution Band & Bullet Graphs
- ▶ Dual Axes Visuals - Part 1
- ▶ Dual Axes - Part 2
- ▶ Animated Charts
- ▶ Funnel Charts & Its Types
- ▶ Donut Chart & Multiple Donut Chart
- ▶ Dumbbell, Barbell Or DNA Chart



Gantt View And Waterfall Chart

Reference Lines And Bands, Distribution Band & Bullet Graphs

Dual Axes Visuals - Part 1

Dual Axes - Part 2

Animated Charts

Funnel Charts & Its Types

Donut Chart & Multiple Donut Chart

Dumbbell, Barbell Or DNA Chart

Butterfly Chart

Box & Whisker Plot

Filters In Tableau Part - 1

Filters In Tableau Part - 2

Parameters In Tableau

Sets In Tableau

Table Calculation

Parameters in Tableau

Sets In Tableau

Table Calculation

Joins & Unions

Data Blending

Tableau Dashboard

Tableau Server

User Security

Module 109

Power Bi Live Class

Installation & Introduction

01st Nov: Cleaning & Processing Of Data

02nd Nov - Power Bi

04th Nov : Live Class

05th Nov : Live Class

07th Nov : Live Class

14th Nov : Live Class

15th Nov : Live Class

- ▶ Table Calculation
- ▶ Joins & Unions
- ▶ Data Blending
- ▶ Tableau Dashboard
- ▶ Tableau Server
- ▶ User Security

Module 109

Power Bi Live Class

- ▶ Installation & Introduction
- ▶ 01st Nov: Cleaning & Processing Of Data
- ▶ 02nd Nov - Power Bi
- ▶ 04th Nov : Live Class
- ▶ 05th Nov : Live Class
- ▶ 07th Nov : Live Class
- ▶ 14th Nov : Live Class
- ▶ 15th Nov : Live Class
- ▶ 18th Nov : Live Class
- ▶ 23rd Nov : Power Bi Project