1. Python
2. Stats
3. Machine learning
4. Deep learning
5. Computer vision
6. Natural language processing
7. Data analytics
8. Big data
9. MI ops
10. Cloud
11. Real Time projects
12. Architecture
13. Domain wise project
14. Databases
15. Negotiations skills
16. Mock interview
17. Interview preparation
18. Resume building after every module

Python Fundamentals

Python Basic
String, List, Indexing
Tuple, Set & Dict
If, Else & For Loop
For Loops & While loops
Python Program Discussion in loops
Function Part - 1
Function Part - 2

Advanced Python

Iterator Generator & File System
Exception handling Class 1 part 1
Exception handling Class 1 part 2
Exception handling Class 2
Module & Packages
OOPS Part 1
OOPS Part 2
OOPs Concepts - Polymorphism

Working with Databases & Python

- SQL Part 1
- SQL Part 2
- OOPS Discussion
- Introduction to MongoDB
- Working with Python & MongoDB Part1
- Working with Python & MongoDB Part2
- SQLite, map, reduce, filter,zip

Working with Pandas & Numpy

- Introduction to Pandas
- Working with Pandas
- Pandas Data Analysis Part 1
- Pandas Data Analysis Part 2
- Pandas and Numpy
- Numpy methods

Working with Graphs & Charts

- Introduction to Graphs & Charts
- Working with Graphs in Python

API

- API Testing

Python Projects

- Flask End to End Project
- Review Scrapper
- Image Scrapper and deployment on Heroku, AWS and Azure

Statistics

- Introduction to Stats - Day 1
- Stats - Day 2
- Extra doubt session
- Stats - Day 3
- Stats - Day 4
- Stats - Day 5

EDA & Feature Engineering

Introduction to EDA
Doubt Clearing session
EDA and Feature Engineering

Machine Learning

Linear Regression
Ridge Lasso Regression, Elastic & Logistic Regression
Naive Bayes Algorithm and practical implementation of Rigde Lasso and Logistic Regression
Logistic Practical, SSVM, SVR
Decision Tree Classification
Random Forest & SVM
Adaboost
Gradient Boosting
Clustering
Introduction to Machine learning
Linear Regression
Linear Regression live coding demonstration part-1
Linear Regression live coding demonstration part-2
Project Admission Prediction, Lasso, Ridge & Elastic Net
Project deployment in Heroku, Azure & AWS
Logistic Regression
Logistic Regression implementation
Decision Tree
Decision Tree Part 2 , Ensemble Tech, Random Forest & Boosting
KNN and SVM
Decision Tree Practical Implementation
Decision Tree Live Coding & Grid Search
Grid Search, Bagging Classifier & Random Forest
KNN, SVC, SVR & Stacking
Clustering
Clustering and PCA
PCA practical, DBSCAN and Naive Bayes
XG Boost, NLTK & TF-IDF

Machine Learning End to End Project

Machine learning project
Machine learning project
ML End to End project Pipeline Explaination
ML Project Explaination along with GitHub and Docker

Machine Learning Pipelines Live Coding Part-1
Machine Learning Pipelines Live Coding Part-2
2nd July Live Class
Machine Learning Pipelines Live Coding Part-2
Revision Class
Model training, evaluation and push
Model training, evaluation and push
Revision

PCA in ML

PCA
PCA Implementation

NLP for Machine Learning

NLP in ML
Spam Classification

Time Series Analysis

Introduction to Time Series
Time Series Implementation

Stats

Introduction
Different types of Statistics
Population vs Sample
Mean, Median and Mode
Variance, Standard Deviation
Sample Variance why n-1
Standard Deviation
Variables
Random Variables
Percentiles & quartiles
5 number summary
Histograms
Gaussian - Normal distribution
Standard Normal distribution
Application Of Zscore

Basics Of Probability
Addition Rule In Probability
Multiplication rule in probability
Permutation
Combination
Log Normal Distribution
Central Limit theorem
Statistics - Left Skewed And Right Skewed Distribution And Relation With Mean, Median And Mode
Covariance
Pearson And Spearman Rank Correlation
What is P Value
What is Confidence Intervals
How To Perform Hypothesis Testing - Confidence IntervalZ Test Statistics Derive Conclusion
Hypothesis testing part 2
Hypothesis testing part 3
Finalizing statistics

ML Projects

Detailed Project Report explanation
Project :- Wafer Fault Detection Part 1
Project :- Wafer Fault Detection Part 2
Deployment in Heroku using docker and circleci

ML Project 1 :- Fault detection in wafers based on sensor data

Introduction
The problem statement and Data Description
The Application Flow
Ingestion and Validation Part1
Validation Part2
DB Operations
Data Preprocessing
Clustering
Model Selection and Tuning
Prediction
Deployment

ML Project 2 :- Cement Strength Prediction

Introduction
The Problem Statement and Data Description

The Application Flow
Code Intro and Logging
Validation and Transformation
DB Operations
Data Preprocessing
Clustering
Model Selection and Tuning
Prediction
Deployment

ML Project 3 :- Credit Card Defaulters

Introduction
The Problem Statement and Data Description
The Application Flow
Code intro and Logging
Validation and Transformation
DB Operations
Data Preprocessing
Deployment

ML Project 4 :- Forest Cover

Introduction
The Problem Statement and Data Description
Application Flow
Code intro and Logging
Validation and Transformation
DB Operations
Data Preprocessing
Clustering
Model Selection and Tuning
Prediction
Deployment

ML Project 5 :- Income Prediction

Introduction
The Problem Statement and Data Description
The Application Flow
Code intro and Logging
Validation and Transformation
DB Operations

Data Preprocessing
Clustering
Model Selection and Tuning
Prediction
Deployment

ML Project 6 :- Insurance Fraud Detection

Introduction
The Problem Statement and Data Description
The Application Flow
Code Intro and Logging
Validation and Transformation
DB Operations
Data Preprocessing
Clustering
Model Selection and Tunning
Prediction
Deployment
The Problem Statement and Data Description

ML Project 7 :- Mushroom Classification

Introduction
The Application Flow
Code Intro and Logging
Validation and Transformation
DB Operations
Data Preprocessing
Clustering
Model Selection and Tuning
Predictions
Deployment

ML Project 8 :- Phishing Classifier

Introduction
The Application Flow
Code intro and Logging
Validation and Transformation
DB Operations
Data Preprocessing
Clustering

Model Selection and Tuning
Prediction
Deployment

ML Project 9 :- Thyroid Detection

Introduction
The Problem Statement and Data Description
The Application Flow
Code intro and Logging
Vallidation and Transformation
DB Operation
Data Preprocessing
Clustering
Model Selection and Tuning
Prediction
Deployment

ML Project 10 :- Visibility Climate

Introduction
The Problem Statement and Data Description
The Application Flow
Code intro and Logging
Validations and Transformation
DB Operations
Data Preprocessing
Clustering
Model Selection and Tuning
Prediction
Deployment

DL ANN - Introduction

Introduction to Deep Learning
Importance of Deep learning
Why you should study Deep Learning? (Motivation)
ANN
The first Artificial Neuron

DL ANN - Perceptron

Overview of Perceptron
More about Perceptron
Perceptron implementation using python - 1
Perceptron implementation using python - 2
Perceptron implementation using python - 3
Perceptron implementation using python - 4
Perceptron implementation using python - 5
Perceptron implementation using python - 6
Perceptron implementation using python - 7
Python scripting & modular coding for Perceptron
Python logging basics and docstrings

DL ANN -1

Multilayer Perceptron
Forward propagation
Why we need Activation function?
ANN implementation using tf.keras - 1
ANN implementation using tf.keras - 2
ANN implementation using tf.keras - 3
ANN implementation using tf.keras - 4
ANN with Callbacks | Tensorboard | Early Stopping | Model Checkpointing

DL ANN - 2

Vector
Differentiation
Partial differentiation
Maxima and minima concept
Gradient descent basics
In-depth understanding of Gradient descent with mathematical proof

DL ANN - 3

Chain rule
Back propagation

DL ANN - 4

General problems in training Neural Networks
Vanishing and Exploding gradients
Activation Function Basics
Weight initialization
Activation Functions - 1
Activation functions - 2
Activation functions - 3
Transfer learning
Batch normalization -1
Batch normalization -2
Batch normalization -3

DL ANN - 5

Introduction to fast optimizers
Momentum optimization
NAG
Elongated bowl problem | AdaGrad
RMSProp
Adam
Loss functions
Regularization
Dropout

Computer Vision - Introduction

Introduction to Course
Course Overview
Installing Anaconda, Pycharm & Postman
Working with Conda Envs
Pycharm Introduction
Pycharm with Conda
Pycharm with venv
Pycharm with Pipenv

Computer Vision - CNN Foundations

Why CNN? Building an Intuition for CNN
CNN, Kernels, Channels, Feature Maps, Stride, Padding

Receptive Fields, Image Output Dimensionality Calculations, MNIST Dataset Explorations with CNN
MNIST CNN Intuition, Tensorspace.js, CNN Explained, CIFAR 10 Dataset Explorations with CNN
Dropout & Custom Image Classification Dog Cat Dataset
Deployment in Heroku, AWS, Azure

Computer Vision - CNN Architectures

LeNet-5
LeNet-5 Practical
AlexNet
AlexNet Practical
VGGNet
VGG16 Practical
Inception
Inception Practical
ResNet
Resnet Practical

Computer Vision - Data Augmentation

What is Data Augmentation?
Benefits of Data Augmentation

Computer Vision - Object Detection Basics

What is Object Detection?
Competitions for Object Detection
Bounding Boxes
Bounding Box Regression
Intersection over Union (IoU)
Precision & Recall
What is Average Precision?

Computer Vision - Object Detection Architectures

Object Detection Family
RCNN
RCNN Network Architecture
Cons of RCNN

FAST RCNN
FAST RCNN Network Architecture
FASTER RCNN
FASTER RCNN Network Architecture
YOLO
YOLO Architecture
YOLO Limitations

Computer Vision - Practicals Object Detection using Tensorflow 1.x

Introduction to TFOD1.x
Using Google Colab with Google Drive
Installation of Libraries in Colab
TFOD1.x Setup in Colab
Visiting the Model Zoo
Inferencing in Colab
Inferencing in Local
Important Configurations Files
Webcam Testing

Computer Vision - Practicals Training a Custom Cards Detector using Tensorflow1.x

Custom Model Training in TFOD1.x
Our Custom Dataset
Doing Annotations or labeling data
Selection of Pretrained Model from Model Zoo
Files Setup for Training
Let's start Training in Colab
Export Frozen Inference Graph
Inferencing with our trained model in Colab
Training in Local
Inferencing with our trained model in Local

Computer Vision - Practicals Creating an Cards Detector Web App with TFOD1

Code Understanding
WebApp Workflow
Code Understanding
Prediction with Postman
Debugging our Application

Computer Vision - Practicals Object Detection using Tensorflow 2.x

- Introduction to TFOD2.x
- Using the Default Colab Notebook
- Google Colab & Drive Setup
- Visiting TFOD2.x Model Garden
- Inference using Pretrained Model
- Inferencing in Local with a pretrained model

Computer Vision - Practicals Training a Custom Chess Piece Detector using Tensorflow2

- Custom Model training in TFOD2.x
- Our Custom Dataset TF2
- File Setup for Training
- Let's start Training
- Let's start Training
- Stop Training or resume Training
- Evaluating the trained model
- Convert CKPT to Saved Model
- Inferencing using the Custom Trained Model in Colab
- Inferencing using the Custom Trained Model in Local PC

Computer Vision - Practicals Creating an Chess Piece Detector Web App with TFOD2

- Creating a Pycharm project & Environment Setup TF2
- Application Workflow
- Code understanding
- Testing our App with Postman
- Debugging our Application

Computer Vision - Practicals Object Detection using Detectron2

- Introduction to Detectron2
- Detectron2 Colab Setup

Computer Vision - Practicals Training a Custom Detector using Detectron2

- Detectron2 Custom Training
- Exploring the Dataset

Registering Dataset for Training
Let's start Training
Inferencing using the Custom Trained Model in Colab
Evaluating the Model

Computer Vision - Practicals Creating an Custom Detector Web App with Detectron2

Creating a Pycharm project & Environment Setup Detectron2
Application Workflow
Code understanding
Testing our App with Postman
Debugging our Application

Computer Vision - Practicals Object Detection using YoloV5

Introduction to YoloV5
YoloV5 Colab Setup
Inferencing using Pre Trained Model

Computer Vision - Practicals Training a Custom Warehouse Apparel Detector using YoloV5

Custom Training with YoloV5
Exploring the Dataset
Doing Annotations or labeling data
Setting up Google Colab & Drive
Let's start Training
Inferencing using the Custom Trained Model in Colab

Computer Vision - Practicals Creating an Warehouse Apparel Detector Web App with YOLOV5

Creating a Pycharm project & Environment Setup Yolo
Application Workflow
Code understanding
Testing our App with Postman
Debugging our Application

Computer Vision - Image Segmentation

Segmentation Introduction

From Bounding Box to Polygon Masks
What is Image Segmentation?
Types of Segmentation
MASKRCNN
MASK RCNN Architecture

Computer Vision - MASK RCNN Practicals with TFOD

Segmentation with TFOD1.x
Local Setup MASKRCNN
Exploring the Dataset
Data Annotation
Model Selection
Files Setup for Training
Model Training
Export Frozen Inference Graph
Model Prediction

Computer Vision - MASKRCNN practical with Detectron2

Introduction to Detectron2
Detectron2 Colab Notebook
Exploring the Model Zoo
Detecron2 Colab Setup
Custom Training with Detectron2
Exploring our Dataset
Data Annotation
Data Preparation
Setup for Training
Let's start Training
Inferencing using the Custom Trained Model in Colab
Evaluating the Model

Computer Vision - Face Recognition Project

Introduction to Project
Requirement Gathering
Techstack Selection
Project Installation
Project Demo
Project Workflow
Core Components of the Application
Data Collection Module

Generate Face Embeddings
Training Face Recognition Module
Prediction Pipeline
Entry point of the Application
Application Workflow
Debugging our Application

Computer Vision - Object Tracking Project

Object Tracking project
Project Installation Tracking
Project Demo
Code Understanding

Computer Vision - GANS

Introduction to GANS
GAN Architecture
GAN PRACTICALS Implementation

Computer Vision Project - Traffic Vehicle Detection

Introduction to Vehicle Detection project
Requirement Gathering
Framework Selection
Detailed Project Workflow
Data Collection Scrap
Data Preparation
Data augmentation augmenter
Data Annotations
Model Training
Creating a Pycharm project & Environment Setup TVD
WebApp Workflow
Code Understanding
Prediction with Postman
Debugging our Application

Computer Vision Project - Helmet Detection

Introduction to Helmet Detection project
Requirement Gathering

Techstack Selection
Detailed Project Workflow
Data Collection
Data Preparation
Data Augmentation
Data Annotations
Model Training
Creating a Pycharm project & Environment Setup HD
WebApp Workflow
Code Understanding
Prediction with Postman
Debugging our Application

Computer Vision Project - Fashion Apparel Detection

Introduction to Fashion Apparel Detection project
Requirement Gathering
Techstack Selection
Detailed Project Workflow
Data Collection
Data Preparation
Data Augmentation
Data Annotations
Model Training
Creating a Pycharm project & Environment Setup FAD
Project Demo
WebApp Workflow
Code Understanding
Prediction with Postman
Debugging our Application

Computer Vision Project - Image TO Text OCR

Introduction to Project
Project Installation OCR
Project Demo
Application Workflow
Code Understanding
Debugging our App
Different OCR's available

Computer Vision Project - Shredder System

- Introduction to Shredder Systems
- Requirement Gathering
- Techstack Selection
- Data Collection
- Data Augmentation
- Data Preparation
- Data Annotation
- Model Selection from Zoo
- Model Training
- Creating a Pycharm project & Environment Setup SS
- Application Workflow
- Project Demo
- Code Understanding
- Debugging our Application
- Project Workflow
- Project Workflow

Computer Vision Project - Automatic Number plate Recognition with TFOD1.x

- Introduction to ANPR Project
- Requirement Gathering
- Tech Stack Selection
- Data Collection
- Data Augmentation
- Data Preparation
- Data Annotation
- Model Selection From Zoo
- Model Training
- Creating a Pycharm project & Environment Setup ANPR
- Application Workflow
- Create Google OCR API Key
- Project Demo
- Code Understanding
- Debugging our Application

NLP Overview

- NLP Overview
- NLP very basic

NLP Word Embeddings

- TFIDF
- Word Embeddings Part-1
- Word Embeddings Part-2

NLP RNN

- RNN basic
- RNN Implementation

NLP LSTM & GRU

- LSTM Introduction
- GRU

NLP Attention Based Model

- Encoder Decoder and Attention Mechanism
- Attention All You Need Paper Understanding

NLP Transfer Learning in NLP

- GPT and BERT Model

NLP Project:- Text to Speech

- Introduction
- Project Setup Text to Speech
- Project Demo
- Code Explanation
- Project Workflow
- Prediction with Postman
- Debugging Application

NLP Project:- Speech To Text

- Introduction
- Project Setup Speech To Text
- Project Demo
- Code Explanation
- Project Workflow
- Prediction with Postman
- Debugging Application

NLP Project:- Spell Corrector

- Introduction
- Project Setup Spell Corrector
- Project Demo
- Code Explanation
- Project Workflow
- Prediction with Postman
- Debugging Application

NLP Project:- Named Entity Recognition

- NER using BERT

NLP Project:- Machine Translation & Keyword Spotting

- Machine Translation
- Keyword Spotting

NLP Project:- Keyword Extractor & Summarization

- Keyword Extraction
- Extractive Text Summarization

NLP project:- Paraphrasing

- Rephrase Project

AIOPS Introduction

- Introduction 1
- Introduction 2
- Introduction 3
- Challenges
- AIML Generic Steps

AIOPS Linux

- Introduction to Linux
- What is Linux
- Important Pieces in Linux
- Features of Linux
- Evolution of Linux
- Differences between Windows and Linux

AIOPS Git

- Git Introduction
- Types of Version Control
- What is Git?
- Why Git?
- Git Installation in Windows
- Git Installation in Linux
- Git Setup
- Git Terminologies
- Repositories in GIT
- Creating Repository
- Checking Repository History
- Doing Commits
- git diff
- git restore
- Tagging
- Branching
- Branching Practicals
- Merging
- Merge Conflicts
- Remote repository
- Cloning Repository
- Working with Remote Repository
- Pushing to Remote Failed in Github
- Personal Access Token Setup in Windows
- Personal Access Token Setup in Linux

Pull Request
git Fetch & Pull
Fork
Rebasing
Interactive Rebasing
Git Rewrite History
Git Rewrite History continued
Cherry Picking
Modify Recent Commits
Git Revert
Git Checkout
Git Reset
Git Stash
Git Reflog
Course Outro

AIOPS Docker

Docker Introduction
What is Docker?
Why Docker?
Benefits of Docker
What is Container?
Containers vs VM
Containers vs Image
Docker Editions
What Docker is not?
Important Terminologies
Docker Setup in Windows
Docker Setup in Linux
Docker Setup in Mac
Docker Basic Commands part 1
Docker Basic Commands part 2
Docker Run Part 1
Docker Run Part 2
Docker Images
Creating a new image
Environment variables
Commands & Entrypoints
Docker Compose
Voting Application Understanding
Docker Compose Versions
Docker Compose Networks
Voting Application with Docker Run

BigData - Introduction to Big Data and Data Engineering

Big Data Engineering

BigData - Introduction to Distributed Systems - Hadoop and MapReduce

Big Data Engineering Introduction

BigData - Map Reduce & YARN

Big Data Hadoop Map Reduce YARN
Hadoop Map Reduce Hands On

BigData - Hive

Apache hive

BigData - Hive Hands On

Apache hive Hands On

BigData - NoSQL and Hbase

Big Data HBase
Hbase hands On

BigData - Spark

Spark - Introduction
Big Data Engineering using PySpark- RDDs
Spark hands on - RDD
Big Data Engineering using PySpark- Core, Internals, Architecture
Apache Spark Actions_ Transformations
Apache Spark Caching
Big Data Engineering using PySpark- Shared Vars , Coalesce Repartition
Big Data Engineering using PySpark- Dataframes

Spark hands on - Dataframe
Spark hands on - Databricks
Big Data Engineering using PySpark- Catalyst& Tungsten

BigData - Spark ML

Big Data Engineering using PySpark- MLLib
Spark hands On - Spark ML Lib

BigData - Spark Streaming

Big Data Engineering using PySpark- Streaming Part 1
Big Data Engineering using PySpark- Streaming Part 2
Spark hands On - Spark Streaming

BigData - Kafka

Big Data Kafka
Big Data Kafka Hands on

BigData - Apache Airflow - Workflow Management Platform

Big Data - Airflow
Big Data Airflow Hands On

Big Data Projects

IoT Sensor data pipeline using Kafka-Spark Streaming
Product Reccomendation Engine using Kafka-Spark Streaming
Short Video App Analytics

Basic Charts in Power BI

2.0 Basic Charts in Power BI Desktop
2.1 Column Chart in Power BI
2.2 Stacked Column Chart in Power BI
2.3 Pie Chart in Power BI

2.4 Donut Chart in Power BI
2.5 Funnel Chart in Power BI
2.6 Ribbon Chart
2.7 Include and Exclude
2.8 Export data from Visual

Working with Maps

3.1 Creating a Map in Power BI
3.2 Filled Map
3.3 Map with Pie Chart
3.4 Formatting in Map
3.5 Change Background in Map
3.6 Map of India in Power BI
3.7 Map of Australia in Power BI

Tables and Matrix in Power BI

4.0 Table and Matrix in Power BI
4.1 Creating a Table in Power BI
4.2 Formatting a Table
4.3 Conditional Formatting in Table
4.4 Aggregation in Table
4.5 Matrix in Power BI
4.6 Conditional Formatting in Matrix
4.7 Hirearchies in Matrix
4.8 Sub-Total and Total in Matrix
4.9 Number Formatting in Table

Introduction to tableau

Tableau Introduction
Download and Install Tableau
Tableau Vs Excel

Charts - 1

Column Chart
Horizontal Bar Chart
Stacked Column Chart
Stacked Bar Chart

Keep Only,Exclude
Keep Only,Exclude2_Normal
Publish to Tableau Public

Charts - 2

Pie Chart
Multiple Pie Chart
TreeMap_Editing
Packed Bubble Chart
Word Cloud OR Word Map
Formatting payal

Charts - 3

Data Types in Tableau
Filled Map
Symbol Maps
India Map
Histogram

Charts - 4

Text Table
Text Table with Multiple Measures
Measure Names and Measure Values
Line Chart
Line Chart with Multiple Measures
Discrete Vs Continous Line Chart
Discrete Vs Continuous

Charts - 5

Lollipop Chart
Line Vs Column Chart
Dual Axis Chart
Column vs Shapes
Bar in Bar Chart

SQL

- Database Architecture
- Introduction to SQL
- Constraints
- Data Definition Language (DDL)
- Data Query Language (DQL)
- Data Manipulation Language (DML)
- Joins
- Import Export
- Aggregate Functions
- Order by, Having & Limit Clause
- String Functions
- Datetime functions
- Understanding Regular Expressions
- Nested Queries
- Views
- Stored Procedures
- WindowsFn
- Python-SQL Connectivity

Excel

- Introduction to Excel
- Pre-defined functions
- Datetime Funtions
- String functions
- Mathematical functions
- Lookup
- Logical & Error Functions

Chatbot - Google Dialog Flow

- What is Chatbot?
- Why Chatbot?
- Types of Chatbot
- Use of Chatbot
- Examples of chatbot
- Chatbot Architecture
- Google Account
- Dialogue Console quick review
- Dialogflow - Agents
- Dialogflow - Create and mange agents
- Dialogflow - Prebuilt Agents

Dialogflow - Multilingual agents
Dialogflow - Mega agents
Dialogflow - Intents
Dialogflow - Create and manage intents
Dialogflow - Training Phrases
Dialogflow - Actions and parameters
Dialogflow - Responses
Dialogflow - Rich response messages
Dialogflow - Default intents
Dialogflow - Entities
Dialogflow - Entity options
Dialogflow - System entities
Dialogflow - Custom entities
Dialogflow - Contexts
Dialogflow - Input and Output contexts
Dialogflow - Follow-up intents
Dialogflow - Follow-up intents creation
Dialogflow - Events
Dialogflow - Fulfillment
Dialogflow - Inline editor
Dialogflow - Webhook service
Overview
Create Agent in Dialogflow
Create Intent and Entities
Food order Intent
Why integration required?
Telegram Integration
facebook integration
facebook integration test
Slack Integration
Covid-19 chatbot Overview
Agent & intent creation
World stats info intent
webhook code for welcome intent
Get Stats Covid code
world Covid code
Deployment
Enable webhook
Summary

Chatbot - RASA

What is Chatbot?
Why Chatbot?
What is Rasa?
Why Rasa?
Create a Virtual Environment using conda

Installation of Rasa in Windows
Introduction to Rasa NLU - Intents and Entities
Creating Intents & Entities Examples: Training Data
Rasa NLU File structure
Defining NLU Pipeline in Config File
Install RASA-x
Train our first Rasa NLU model
Rasa NLU Entity Synonyms & Lookup Tables
Introduction to Custom Components in RASA NLU
Introduction of Transfer Learning and Pre-trained Word Embeddings
Custom Gensim embeddings in RASA
RASA Core
Custom Action Defined
RASA Core-Stories
Introduction of Dialogue Policies
Memoization & Mapping Policy
Machine learning policy
Priority Policies
Add intent domain.yml
Update response
Add stories.md
Train model
Telegram integration
Facebook integration
Twilio account
Whatsapp integration url
Course summary

Chatbot - Amazon Lex

Introduction
What is Chatbot?
Why Chatbot?
What is Lex?
Lex supported languages
Programming Model
Intent & Slots
Model Building APIs
Runtime API Operations
Managing Messages
Confidence Score
Conversation Log
Built-in Intents
Built-in Slot Types
Custom Slot Types
Sentiment Analysis
Configuring Lambda functions as fulfillment

Integration
Custom Building Chatbot Overview

Chatbot - Azure Luis

Course Introduction
What is Chatbot?
Why Chatbot?
What is LUIS?
Intent & Utterances
Prebuilt Domain intent
Using Entities
Entity types
Utterances
Pattern
Machine learning features
Prediction score
Data management
LUIS and QnA maker
CI/CD with Luis
Overview
Azure portal setup
Intent/entity
Luis App credentials
Installation
Code walkthrough
Bot emulator
Summary

Interview Preparation - Introduction & Induction

Induction & Course Introduction
Impact of Data Science in today's world & Roles in Data Science

Interview Preparation - Transition Stories

Transition story
Transition story
Transition Story and Resume Discussion

Interview Preparation - AI Projects Discussion

- Insurance Fraud Detection
- Forest Cover Classification
- Project Architecture Discussion
- Year Wise Resume Discussion
- Project Architecture Discussion
- Project Architecture Discussion - 2
- Brand Measure Project Discussion
- Project Architecture Discussion - 3
- Megatron Project Discussion
- Python Discussion

Interview Preparation - Python

- Python Discussion
- Python Discussion

Interview Preparation - Databases

- MYSQL and MongoDB Discussion
- Interview Question Discussion - 2

Interview Preparation - Interview Questions Discussion

- Interview Question Discussion
- Resume Discussion
- Interview Question Discussion - 3
- Interview Question Discussion - 4
- Interview Question Discussion - 5

Interview Preparation - Project Discussion

- Vision-Based Attendance System
- Face Recognition & Mlops Discussion
- Mlops Discussion
- Brand Measure Project Discussion
- NLP Use Cases Discussion

Interview Preparation - Interview Questions Discussions

- Interview Question Discussion - 1
- Interview Question Discussion - 2
- Interview Question Discussion

Interview Preparation - General Discussion

- Discussion Session - 1
- Discussion Session - 2