

DSA with Python

Tropic	SubTropic	
Python (Internals, do's and don'ts) Architecture, Data Structure	1. Installation of Anaconda Prompt 2. Jupyter Notebook-An Overview 3. Shorcut Lkeys in Jupyter Notebook 4. Data Types in Python	13th October (06:00-07:00)
Python, Reading & Writing files in Python	1. Rules for Naming the Variables 2. List, Tuple, Set, Dictionary 3. Introduction to Files and Directories 4. Introduction to the Command Prompt or Terminal Paths 5. Text Files: Reading from a Text File (using with)	17th October (06:00-07:00) 20th October (06:00-07:00)
Loops and conditionals in python	1. If, Elif, and Else Conditions 2. For and While Loops	23th October (06:00-07:00) 28th October (06:00-07:00)
Data Analysis , Manipulation with numpy	1. Machine Learning Libraries 2. Numpy-Hands on	31th October (06:00-07:00)
Pandas Python data science package to manipulate, calculate and analyze data.	1. "Pandas-Hands on"	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Exploratory Data Visualization in Python with matplotlib	1. Exploring & Extracting Insights from Data 2. Data Visualization Basics 3. Matplotlib – Hands-on 4. Seaborn – Hands-on	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Statistical Thinking in Python (Part 1) Build the foundation	1. Thinking Statistically – Introduction 2. Measures of Central Tendency 3. Measures of Dispersion 4. IQR Statistics – Hands-On	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Supervised Learning & Un-Supervised Learning	1. Classification vs Regression 2. Supervised vs Unsupervised Learning 3. Linear Regression – Hands-on 4. Metrics in Linear Regression – Hands-on 5. Fine-Tuning Your Model	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Logistic regression	1. Introduction to Logistic Regression 2. Hands-on with Logistic Regression 3. Metrics in Logistic Regression	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer

Linear Regression	1. Introduction to Linear Regression 2.Hands-On with Linear Regression using Python 3. Metrics in Linear Regression	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Pre-processing for Machine Learning in Python	1. Introduction to Data Preprocessing 2.Exploratory Data Analysis (EDA) 3.Missing Values 4. Outliers 5.Standardizing Data / Scaling Techniques 6.Feature Scaling and Feature Selection	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Tree Based Models Classification and Regression Tree	1.Decision Tree 2.Boosting Random Forest 3.Bagging	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Fundamentals of Neural Network	1.Neural Network	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
POWER BI	Introduction to Power BI desktop ETL pipeline in Power BI Calculating fields with DAX Visualising data with reports AI functionalities of Power BI	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer