

Q What do you want to learn?

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Data Science > Data Science Masters

Data Science masters 2.0

Data Science Masters course is highly curated and uniquely designed according to the latest industry standards. This program instills students the skills essential to knowledge discovery efforts to identify standard, novel, and truly differentiated solutions and decision-making, including skills in managing, querying, analyzing, visualizing, and extracting meaning from extremely large data sets. This trending program provides students with the statistical, mathematical, and computational skills needed to meet the large-scale data science challenges of today's professional world. You will learn all the stack required to work in data science, data analytics, and big data industry including cloud infrastructure and real-time industry projects.

Language: Hinglish Duration: 9 months



- → Python
- → Statistics
- → Machine learning
- → Deep learning
- → Computer vision
- → Natural language processing
- → Big data
- → Apache Spark
- → Apache Kakfa
- → Data Analytics
- → PowerBI
- → Tableau
- → Databases
- → Data Science Worflow
- → Real Time Data Science Projects

Requirements

- → System with minimum i3 processor or better
- → At least 4 GB of RAM
- → Working internet connection

Enroll Now

Class Details



Batch Name:

IMPACT 2.0



Start Date:

6th May'23



Class Timings:

Weekly Scheduled





Live Doubt Session : 3PM - 6PM IST Monday and Saturday

Course Features

- O Data Science Master's certification
- Self-Paced Learning
- 50 + hands-on industry real-time projects
- 200+ hours classes
- **⊘** Every week 2 Doubt clearing sessions
- **⊘** Every Week Module Test
- 2 Year Dashboard access
- Course Materials
- Oubt clearing one-to-one

→ Dedication to learn

Course Curriculum

Week 0 - PYTHON - Course Introduction

Week 1 - PYTHON - Basic Building +

Week 2 - PYTHON - Data Structures +

Week 3 - PYTHON - Function +

Week 4 - PYTHON - Oops Concepts +

Week 5 - PYTHON - Files & Exception Handling & Memory

Management

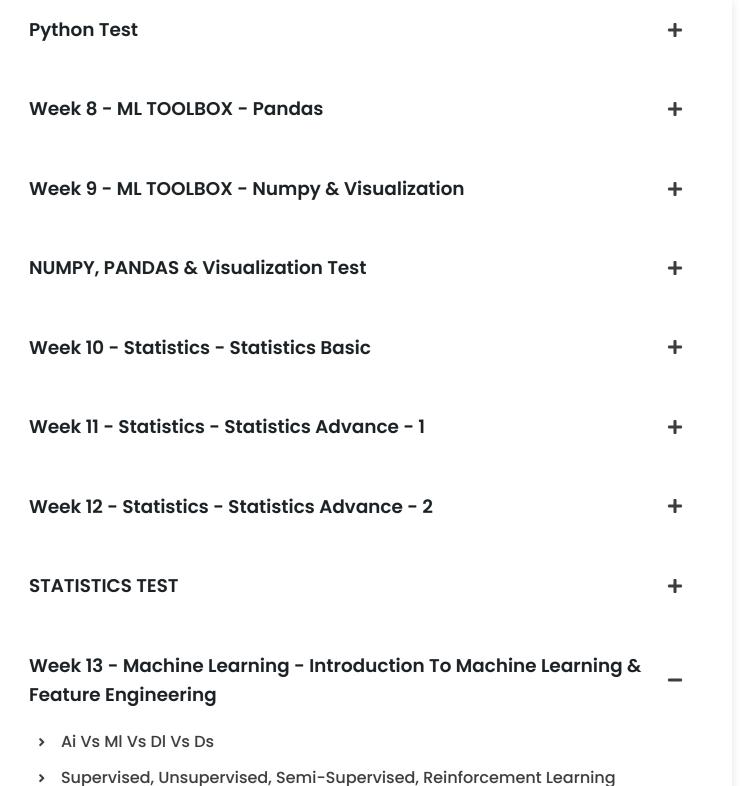
Week 6 - PYTHON - Connecting with Databases & APIs

- Doubt clearing through mail and support
- O Discord Community
- Assignments
- Live projects with real-time implementation
- Resume building
- Oareer guidance

- Regular assessment
- **Experience Portal Access**
- PWLabs Access
- ⊗ 80% Scheduled Classes & 20% Live Classes

Get in touch

Have a query about our courses? Get in touch with us and we will guide you through a new world of redefined learning.

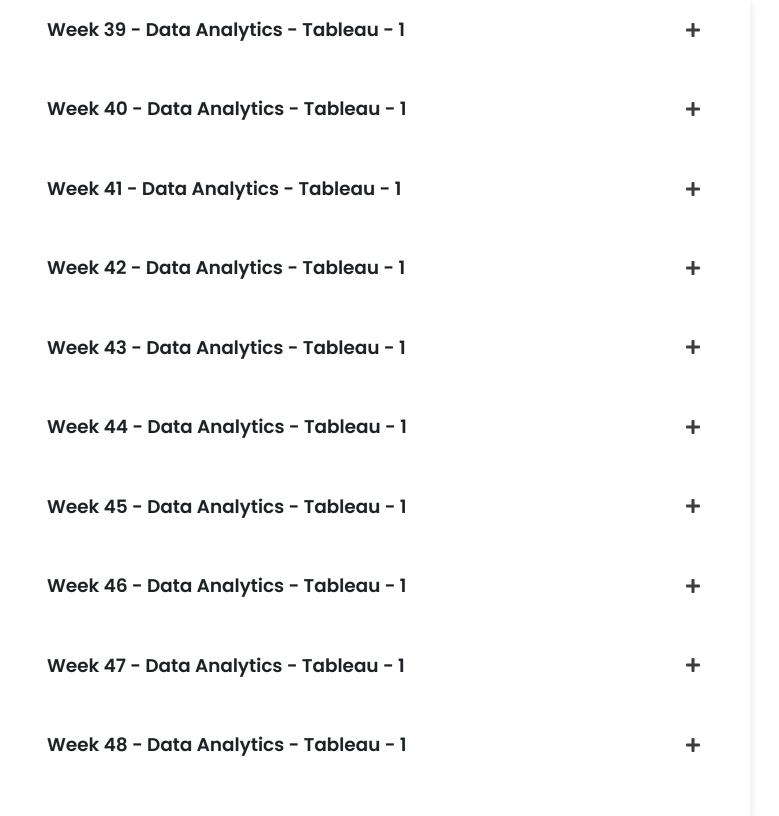


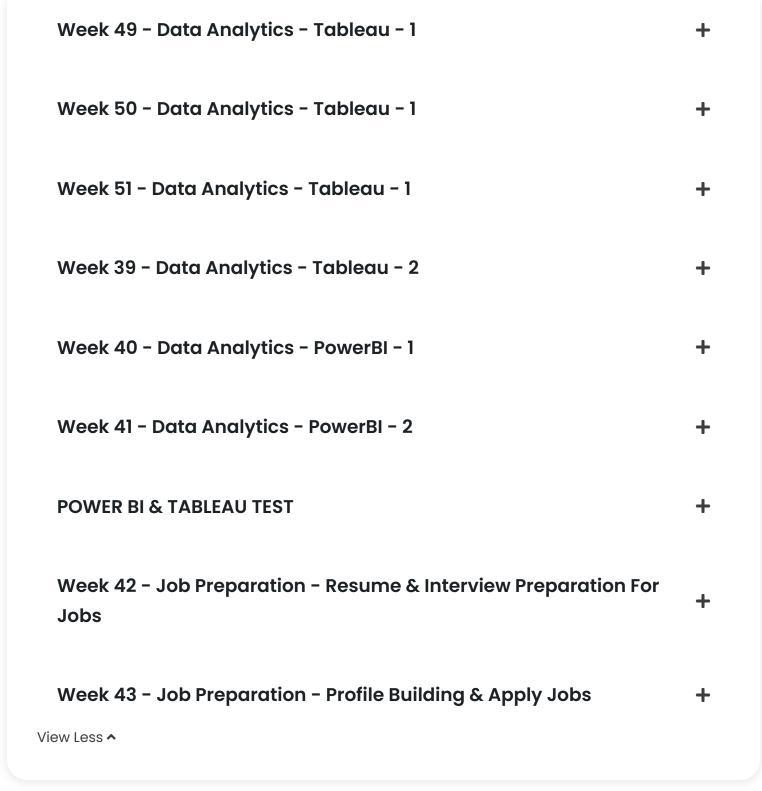
- > Train, Test, Validation Split
- > Performance
- > Overfitting, Under Fitting
- > Bias Vs Variance
- > Handling Missing Data
- > Handling Imbalanced Data
- > Up-Sampling
- > Down-Sampling
- > Smote
- > Data Interpolation
- > Handling Outliers
- > Filter Method
- > Wrapper Method
- > Embedded Methods
- > Feature Scaling
- > Standardization
- Mean Normalization
- > Min-Max Scaling
- > Unit Vector
- > Feature Extraction
- > Pca (Principle Component Analysis)
- > Data Encoding

> Nominal Encoding	
> One Hot Encoding	
> One Hot Encoding With Multiple Categories	
> Mean Encoding	
> Ordinal Encoding	
> Label Encoding	
> Target Guided Ordinal Encoding	
> Covariance	
> Correlation Check	
> Pearson Correlation Coefficient	
> Spearman'S Rank Correlation	
Week 14 - Machine Learning - Exploratory Data Analysis	+
Week 15 - Machine Learning - Linear Regression & Logistic Regression	+
Week 16 - Machine Learning - Feature Selection, Decision Tree & SVMS	+

Week 18 - Machine Learning - KNN & Dimensionality Reduction	+
Week 19 - Machine Learning - Clustering	+
Week 20 - Machine Learning - Anomaly Detection & Time Series	+
MACHINE LEARNING TEST	+
Week 24 - Deep Learning - Deep Learning Neural Networks & Setup	+
DEEP LEARNING TEST	+
Week 25 - Computer Vision - Convolution Neural Networks & Architectures	+
Week 26 - Computer Vision - Object Detection	+
Week 27 - Computer Vision - Image Segmentation	+

Week 28 - Computer Vision - Advanced Computer Vision	+
COMPUTER VISION TEST	+
Week 31 - NLP - NLP Introduction & Text Processing	+
Week 32 - NLP - Useful NLP Libraries & Networks	+
Week 33 - NLP - Attention Based Model & Transfer Learning In NLP	+
NLP TEST	+
Week 36 - Big Data - Big Data Introduction, Hadoop & Spark	+
Week 37 - Big Data - Spark & Kafka	+
BIG DATA TEST	+
Week 38 - Data Analytics - Tableau - 1	+





Course Projects

Week 7 - Projects - Python Project :- Web Scrapping

- > Web Scrapping Introduction
- > Integration With Web Portal
- > Integration With Rest API, Web Portal and MongoDB
- > Deployment On Web Portal On Aws , Azure , Aws

Week 7 - Projects - Python Project : - Image Scrapper

- > Image Scrapping Introduction
- > Image Scrapping Deployment
- > Integration With Rest API, Web Portal and MongoDB
- > Deployment On Web Portal On Aws , Azure , Aws

Week 22 -23 - ML Projects

- > Fault Detection in Wafers based on Sensor Data
- > Credit Card Fraud Detection
- > Forest Cover Classification
- > Income Prediction

> Mushroom Classifier> Phishing Classifier

> Thyroid Detection

- Week 29 -30 Computer Vision Projects
- > Image Classification with SOTA CNNs
- > Vision based Attendance System
- > Sign Language Detection
- > Shredder Systems
- > Image to Text using OCRs

Week 34 -35 - NLP Projects

- > Movie Review using BERT
- > NER using BERT
- > POS Tagging with BERT
- > Question Answering with SQUAD
- > Machine Translation with Transformers

+



Having 10+ years of experience in Data Science and Analytics with product architecture design and delivery. Worked in various product and service based Company. Having an experience of 5+ years in educating people and helping them to make a career transition.

Social Links: in f



Sudhanshu Kumar

Having 8+ years of experience in Big data, Data Science and Analytics with product architecture design and delivery. Worked in various product and service based Company. Having an experience of 5+ years in educating people and helping them to make a career transition.





Dr. Ayan Debnath

Currently working as Solutions Architect / Senior Data Scientist | PHD. IIT Delhi | Visiting Research Scholar | Harvard University & University of Pennsylvania | Having 5+ years of experience in the field of Data Science





Subhodeep Dey

DGM - Lead Data Scientist JIO | AI/ML Advisor to Startups | Ex-UHG | Ex-JnJ | Ex-RIL | Finalist at DSG, Paris | PGDBA, IIM Calcutta, ISI Kolkata & IIT KGP | 4+ years of teaching experience





Rishab Malhotra

Currently working as Senior Data Scientist with JIO AI-COE | Ex - Senior Data Scientist at KLAIM.AI & Apollo mUnich Health Insurance Company Ltd | 4+ years of teaching experience | Top-notch Educator for Data Science & Natural language Processing







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