

# Data Analytics

MASTER PROGRAM 60 DAYS



**OUR ALUMNI WORK AT** 

















WE'RE NOW

Linkedin

T O P S T A R T U P 2 0 2 3



### WHO WE ARE?

## The Starting Point to a Successful Career

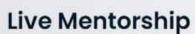
We help undergrad and post grad students struggling to get industrial experience with our Training + Internship programs which help them to become corporate-ready individuals and possess the skillset to take on any challenges without any self-doubt.

TAKE THE RIGHT TURN, WITH US.



# WHAT MAKES US UNIQUE!







**Regular Evaluation** 



**Multiple Domains** 



Placement Assistance



Challenge Based Training



# PRO DATA ANALYTICS

# MASTER PROGRAM CURRICULUM 6 SESSIONS

#### Session 1

Introduction to Programming
Decision Trees & Control
Binary Number System
Strings
Arithmetic Operators
Loops

#### Session 2

Programming Constructs
Functions
Recursions
Pointers
Structures
Unions
Dynamic Arrays
Asymptotic Notations



#### Session 3

Problem Solving & CS Fundamentals
Time Complexity
Arrays & Strings
Binary Search & 2 Pointers
Recursion, Hashing & Sorting
Bit Manipulation
Stacks, Queues & Linked Lists
Trees, Tries, Heap & Greedy
DP, Graphs
DB, OS & Computer Networks

#### Session 4

Statistical Analysis & Data Analytics
Python, Jupyter, Numpy, Pandas
Git, Linux Terminal, File I/O
Statistics, Probability, Linear Algebra
Distributions, Sampling, Hypothesis Testing
Databases, SQL, Index, Partition, Schema
Web API, Scraping, Automation, Flask



#### Session 5

Data Science & Machine Learning
EDA, Data wrangling, Feature Engineering
Supervised & Unsupervised Models
Ensembling
Factor Analysis
Predictive Modelling & Forecasting
Recommender System

#### Session 6

ML Engineering - Deep Learning & Big Data Keras, TensorFlow, PyTorch Neural Networks, Computer Vision, NLP Reinforcement Learning Research Papers in Deep Learning Warehouse - AWS S3, HDFS, HBase, NoSQL Ingestion - Kafka Analysis - PySpark, YARN, Airflow, Hive



### Career Counselling

- Expert counseling is a specific consultation service that helps people in making perfect career choices by using their skills and abilities.
- With Teachnook career counseling you will be able to explore various opportunities you have never thought about and you will be given complete guidance in the below mentioned areas.



Personalised support



1:1 career counselling to help land your dream job



Get counselled by industry experts



**Networking opportunities** 



**Tailored career paths** 



Access to Industry insights



### OUR AUTHORIZED CERTIFICATION PARTNERS



ADOBE



QUICKBOOKS



MICROSOFT



**AUTODESK** 

