

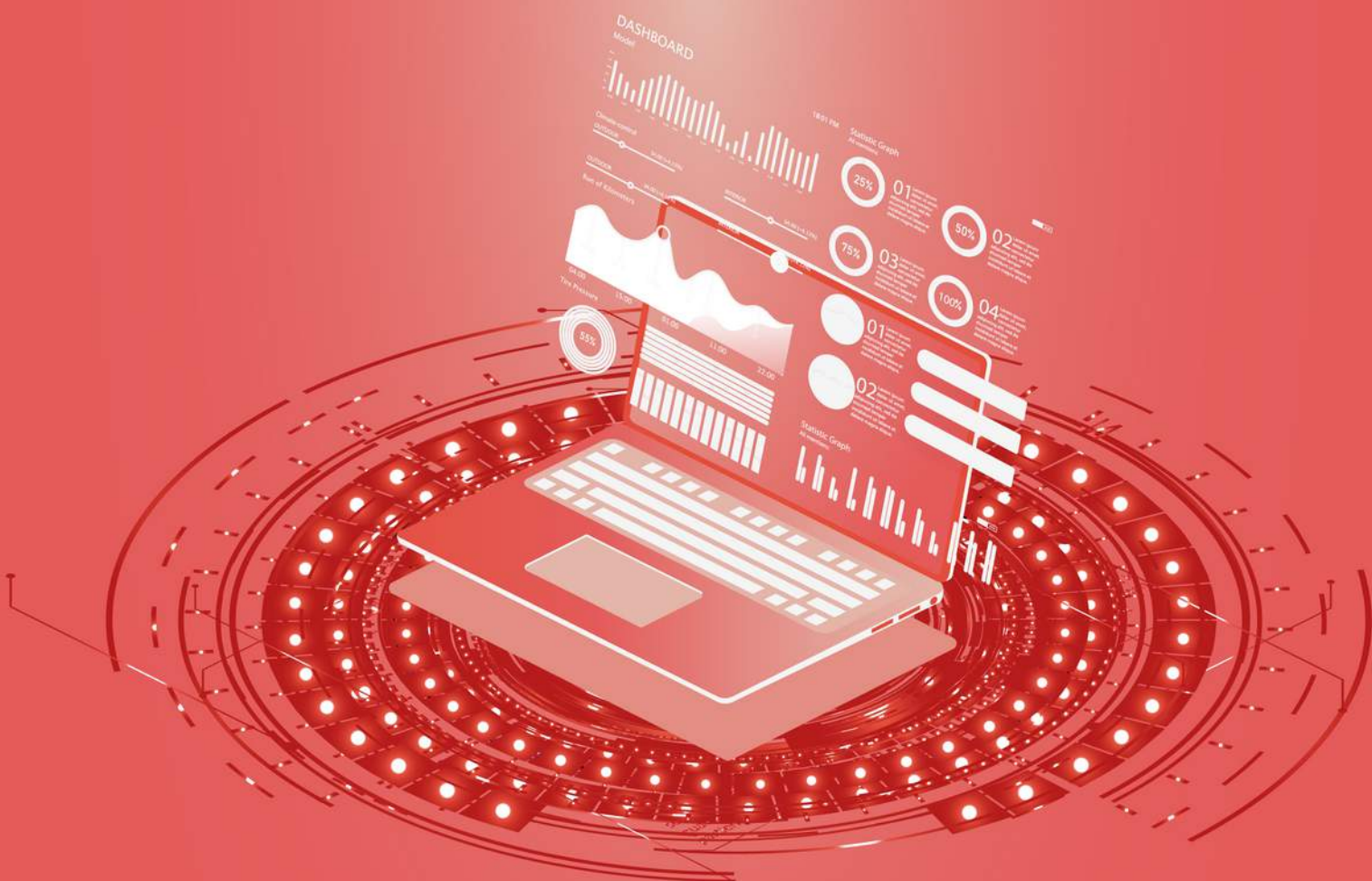


EXCELSIOR  
AIM HIGHER

# Data Science FOR FINANCE

## Overview

Data Science for Finance course suited for learners who wants to make their career in top Finance companies. This course can help the candidates to make a solid foundation in finance and learn industry grade applications of Data Science.



## Why Excelsior

# Formula for Success

Join the Excelsior's Data Science community and get access to a comprehensive library of Data Science courses covering in-demand skills like Machine Learning, AI, Business Analysis and more. Practice real-world learning with our Mentorship Program that provide you a real world scenario projects. Get lifetime access to structured courses, industry-relevant labs, live projects, 24/7 support and more—all designed to help you master the perfect combination of business knowledge, technical skills and soft skills needed for your targeted job role! The Data Science Community is growing by 30% each year. Join now!

EXCELSIOR EDGE	DETAILS	OUTCOME
<b>Small Batches</b>	A maximum of 12 students in a batch	<ul style="list-style-type: none"> <li>Personalized attention from mentors</li> <li>More comprehensive learning experience</li> </ul>
<b>Dedicated RM</b>	A dedicated and expert team of counsellors for guidance	<ul style="list-style-type: none"> <li>No wait for your questions to be answered or your concerns addressed</li> <li>24X7 Support</li> </ul>
<b>Learning Analytics</b>	Stay on track with a course, degree and career advisor	<ul style="list-style-type: none"> <li>Regular Progress Report to guide you properly in your learning journey</li> <li>Assignment Scores &amp; stats to know your progress</li> </ul>
<b>Q&amp;A Forum (Data Science Community)</b>	Engage with other learners and professional Data Scientists	<ul style="list-style-type: none"> <li>Real-time Industry updates</li> <li>Support and guidance for doubts and projects</li> </ul>
<b>Unlimited Live Projects</b>	Get real-life data science experience	<ul style="list-style-type: none"> <li>Master real-world skills to build Machine-Learning models</li> <li>Highlight your CV</li> </ul>

# What you will learn

# Curriculum

## PHASE 1- PYTHON

- Introduction
- Python Environment
- Executing Python
- Python Numbers
- Python Strings
- Python Files I/O
- Python Exception
- Python Classes & Objects
- Python Basic Syntax
- Python Variable Types
- Python Operators
- Python Lists
- Python Tuples
- Python Dictionary
- Collections
- Debugging & Testing
- Regular Expression
- Python Design Making
- Python Loops
- Python Function
- Python Modules
- Testing
- Deploying Python Application
- Essential Packages

## PHASE 2- DATA WRANGLING

- Black Box
- Introduction To Machine Learning
- Advance Excel
- Sql
- Tableau
- Essential Numpy
- Power Bi
- Alteryx
- Pandas
- Matplotlib

## PHASE 3- MATHEMATICAL FUNDAMENTALS

- Statistics Concepts
- Linear Algebra
- Calculus
- Matrix Operations
- Probability
- Sampling Techniques
- Distributions

## PHASE 4- PROJECTS \*\*

- Breast cancer prediction
- Uber ride data analysis
- Sales forecasting
- Purchase behavior
- Recommendation system
- Customer churn

\*\*These are sample projects, actual projects may vary as per company requirements

# What you will learn

# Curriculum

## PHASE 5- MACHINE LEARNING

- Linear Models For Classification And Regression
- Pre-Proposing Of Machine Learning
- Decision Trees
- Naives Bayes
- Composite Estimators Using Pipelines
- Model Selection & Evaluation
- Feature Selection & Dimensionality Reduction
- Nearest Neighbours
- Clustering Techniques
- Anomaly Detection
- Support Vector Machines
- Dealing With Imbalanced Classes
- Ensemble Methods
- Recommendation Engine
- Time Series Modelling
- Packaging & Deployment

## PHASE 6- BIG DATA

- Introduction To Big Data
- Internal Details Of Spark
- Foundation Of Spark Using Rdd
- Data Wrangling Using Dataframes
- Packaging And Deployment Of Spark Applications

## PHASE 7- PROJECTS \*\*

- Loan eligibility prediction
- Retail Selling Price
- Driver availability prediction
- Lookalike model building
- Customer journey funnel analysis
- Anomalies and trends diagnostic analysis

\*\*These are sample projects, actual projects may vary as per company requirements

# What you will learn

# Curriculum

## PHASE 8- DEEP LEARNING AND ARTIFICIAL INTELLIGENCE

- Neural Network Basics
- Computer Vision
- Advanced Computer Vision
- Statistical Natural Language Processing
- Sequential Nlp
- Generative Adversarial Networks
- Reinforcement Learning
- Deep Reinforcement Learning

## PHASE 9- FINANCIAL CONCEPTS

- Introduction To Investment Banking
- Cash Equities And Fixed Income
- Foreign Exchange And Money Markets
- Derivatives Markets
- Reference Data Management
- Corporate Actions
- Asset Management
- Reconciliation And Introduction To Isda
- Stock Borrow Lending
- Collateral Management
- Trade Life Cycle
- Risk Management And Regulatory Environment
- Anti-Money Laundering And Know Your Customers

## PHASE 10- PROJECTS \*\*

- Human pose estimation
- Medical Image analysis:
- Face detection
- Helmet detection
- Building a chatbot application
- Resume parsing application
- Segmentation of customer groups
- Sentiment analysis and Ranking

\*\*These are sample projects, actual projects may vary as per compay requirements

# Why Excelsior Career Support



## Profile Building

Excelsior's industry experts are the ultimate resource for anyone looking to build their profile

- Resume Building
- LinkedIn Profile Building
- Github Building



## Expert Sessions

Excelsior offer expert advice on softskills and HR topics

- Counselling Sessions with Real Data Science experts
- Prepare for HR Interviews
- Learn Interviewers Psychology
- Develop Soft-Skills



## Mock Interviews

Get an upper hand in a data science job interview? Prepare for high pressure interview scenarios.

- Live Interview Simulations
- Expert Feedbacks
- Prepare for real high pressure scenarios



Contact

# Connect with Us

## Reach your goals

Speak with one of our experts today



9289460444

9289460333



[info@getexcelsior.com](mailto:info@getexcelsior.com)



<https://getexcelsior.com/>



9289460444

9289460333