

# Master in **DATA SCIENCE**

# CONTENT



<b>Description</b>	<b>2</b>
<b>The Time is Now</b>	<b>3</b>
<b>Impact &amp; Reach</b>	<b>4</b>
<b>PG Program in Data Science &amp; Engineering</b>	<b>5</b>
<b>Program Feature</b>	<b>5</b>
<b>Why Data Science?</b>	<b>6</b>
<b>Program Highlights</b>	<b>7</b>
<b>Program Curriculum</b>	<b>8</b>
<b>Capstone Projects</b>	<b>9</b>
<b>Career Assistance</b>	<b>10</b>
<b>Industry Highlights &amp; Roles Offered</b>	<b>10</b>
<b>Our Users From &amp; Our Media Coverage</b>	<b>11</b>
<b>Selection Process</b>	<b>12</b>
<b>About Us</b>	<b>12</b>
<b>Contact Us</b>	<b>13</b>

# Description

Accelerate your career in Data Science with Data Science Analytics Program. Experience world-class Data Science training by an industry leader on the most in-demand Data Science Skills. Gain hands-on exposure to key technologies including Python, Machine Learning. Become an expert Data Science professional today.

The PGP-DS (Master in Data Science) gives you wide coverage to main ideas and techniques from Python, Exploratory Data Analysis to Machine Learning, Deep Learning and more. Practical labs and assignments work bring these ideas to life with our instructors and assistants to supervise you with the path. Equip your career with this commendable Master in Data Science with Learning Saint.



# The Time is Now



**40%**

Analytics professionals in World have work experience of less than 3 years.



**61%**

Vacancies for candidates with 0-5 years experience.



**11 MILLION**

As per US Bureau of Labor Statistics & TOI Journal Estimate job listings for Data Science by 2026.



**33.5%**

Indian data science industry is growing at a healthy rate of 33.5 per cent CAGR.



**2025**

As per World Economic Forum, 463-Million TB Data will be generated each day globally. You will be one of the Data Scientists to Manage it!

*\*Sources: TOI Journal, US Bureau of Labor Statistics, World Economic Forum, PWC, NASSCOM, Analytics India Magazine.*

# Learning Saint Impact & Reach



**201419+**  
Users



**2 Million+**  
Hours of Learning Delivered



**10**  
Top Ranked Programs



**300+**  
Hiring partners



**20+**  
Globally Renowned Data Science Faculty

# Master in Data Science

Learning Saint's PGP-DS is a program designed for fresh graduates and early career professionals looking to build their career in data science & analytics. With large number of job openings in analytics and data science domain, PGP-DS Prepares you with the right skills and knowledge needed to break into these roles. Learning Saint has collaborated with the industry to create a program that trains candidates specifically for roles such as Data Scientist, data analysts, data engineer, analytics engineer and more, by teaching relevant analytics techniques, tools, technologies, and applications through hands-on training with industry graded case studies.



## Program Features

- ▶ 12-Months Online Program
- ▶ Industry Internship
- ▶ Career Assistance
- ▶ Globally Renowned Trainers
- ▶ Capstone Projects
- ▶ Online Lab Sessions
- ▶ Student Faculty Ratio 15:1
- ▶ 25+ Industry Graded Projects

# Why Data Science?

- ▶ Build/grow your career in data science roles and IT companies
- ▶ Learn through live online sessions and hands-on learning.
- ▶ Learn data science tools and technologies sought after by leading companies



## On completing this program, you will:

- ▶ Be well versed in Analytics Tools and Technologies such as Python, Tableau, SQL.
- ▶ Apply Machine Learning Techniques such as Regression, Predictive Modelling, Clustering, Time Series Forecasting, Classification, etc.
- ▶ Perform Data Cleaning and Data Transformation Operations using Several Tools and Techniques.
- ▶ Be well versed in Deep Learning, and Natural Language Processing (NLP).
- ▶ Present yourself as an ideal candidate for Data Analyst, Data Engineer, and Data Scientist roles within Leading Companies.

# Program Highlights



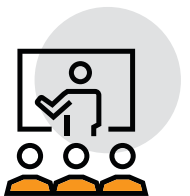
## Online Program

- 12-months online program along with Industry graded Internships
- Online Lab Sessions
- Highly Experienced Faculty



## Collaborations

- Learning Saint has collaborated with many eminent Universities and Organisations across the Globe to be industry relevant and be ahead in time



## Become job-ready

- Real-world case studies to build practical skills
- Hands-on exposure to analytics tools & techniques such as Python, Tableau, SQL, etc
- Learn and upgrade with industry insights through multiple industry immersion sessions



## Job Interview Preparation

- Career guidance and mentorship by faculty and industry leaders
- Resume review and interview preparation sessions
- Access to opportunities with leading companies



# Program Curriculum

## FOUNDATIONS

- ▶ Introduction to programming using Python
- ▶ Introduction to programming using R
- ▶ Database Management System using My SQL

## DATA ANALYSIS

- ▶ Statistical Methods for Decision Making
- ▶ Exploring Data Analysis

## MACHINE LEARNING TECHNIQUES

- ▶ Supervised Learning - Regression
- ▶ Ensemble Techniques
- ▶ Unsupervised Learning
- ▶ Machine Learning Model Deployment using Flask
- ▶ Supervised Learning - Classification

## DATA VISUALIZATION

- ▶ Data Visualisation using Tableau
- ▶ Data Visualization Using Google Data Studio
- ▶ Data Visualization Using Power Bi

## INTRODUCTION TO ARTIFICIAL INTELLIGENCE

- ▶ Time Series Forecasting
- ▶ Text Mining And Sentimental Analysis
- ▶ Introduction to Natural Language Processing
- ▶ Reinforcement Learning
- ▶ Introduction to Neural Networks and Deep Learning
- ▶ Computer vision

# Capstone Projects



## E-commerce

Techniques used: Text Mining, Kmeans Clustering, Regression Trees, XGBoost, Neural Network



## Retail

Techniques used: Market Basket Analysis, RFM (Recency-Frequency Monetary) Analysis, Time Series Forecasting



## Banking

Techniques used: Linear Discriminant Analysis, Logistic Regression, Neural Network, Boosting, Random Forest, CART



## Web & Social Media

Techniques used: Topic Modeling using 9 Latent Dirichlet Allocation. K-Means & Hierarchical Clustering



## Healthcare

Techniques used: Logistic Regression, Random Tree, ADA Boost, Random Forest, KSVM



## Supply Chain

Techniques used: Text Mining, Kmeans Clustering, Regression Trees, XGBoost, Neural Network



## Insurance

Techniques used: NLP (Natural Language Processing), Vector Space Model, Latent Semantic Analysis



## Science and Technology

Techniques used: Market Basket Analysis, Brand Loyalty Analysis



## Finance & Accounts

Techniques used: Conditional Inference Tree, Logistic Regression, CART and Random Forest



## Entrepreneurship /Start Ups

Techniques used: Univariate and Bivariate Analysis, Multinomial Logistic Regression, Random Forest

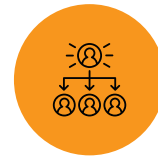
# Career Assistance



Access to Opportunities with Leading Companies



Workshops on Resume Review & Interview Preparation



Career Guidance and Mentorship by Learning Saint and Industry Leaders

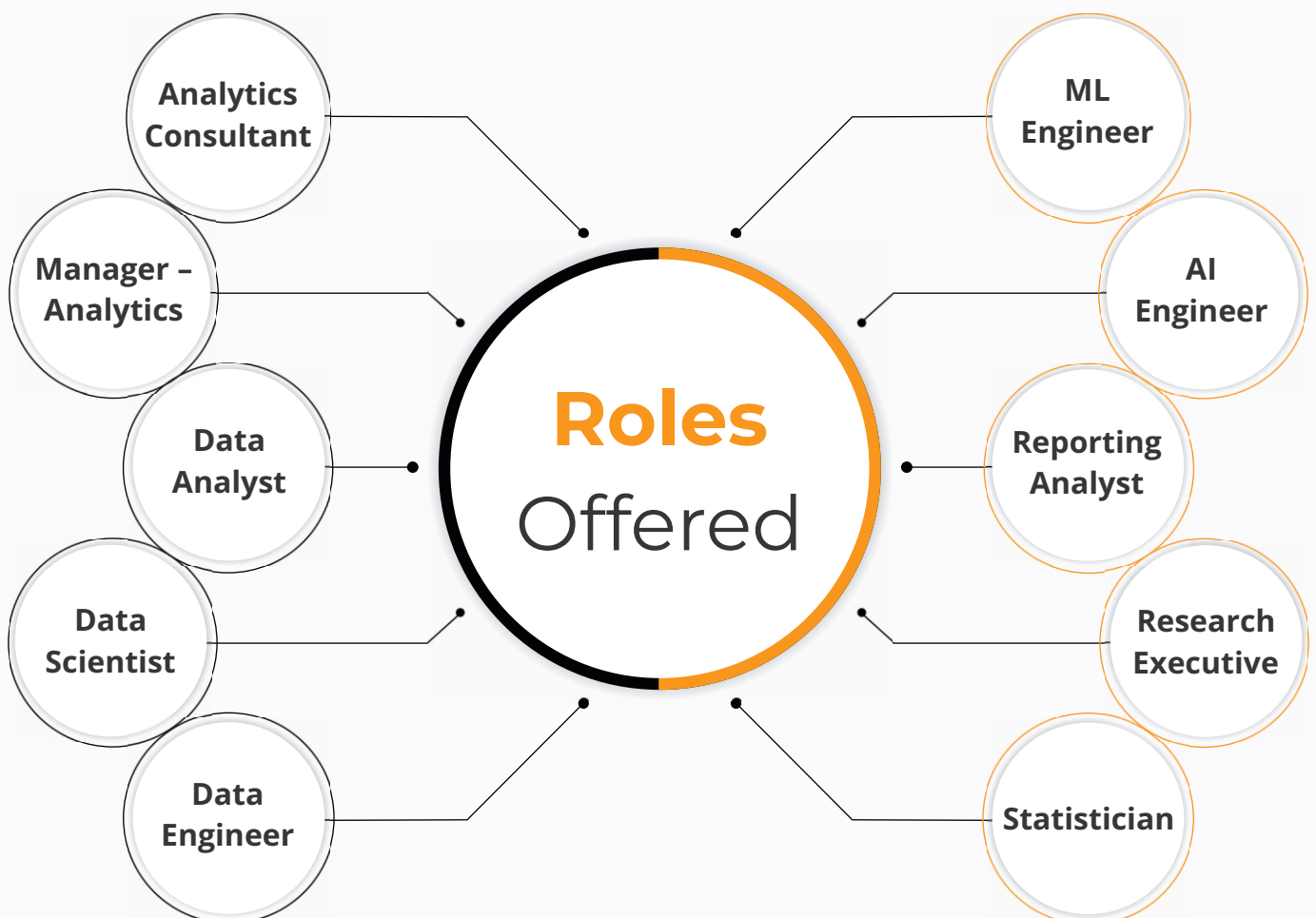
## Industry Highlights

**300+**

Global Companies

**80%**

Average Salary Hike



# Our Users From

We Have Users For Our Data Science Program From Following Companies



# Our Media Coverage



# Selection Process



Apply by filling a simple online application form



Admissions committee will review and shortlist.



Shortlisted candidates need to appear for an online aptitude test.



Screening call with Alumni/ Program Director/ Faculty



## About Us

Learning Saint's mission is to make professionals proficient and future-ready. Its programs focus on the next frontier of growth in industry and currently straddle across Analytics, Data Science, Big Data, Machine Learning, Artificial Intelligence, Deep Learning, Cloud Computing and more.

Learning Saint uses technology, high-quality content, and industry collaboration to deliver an immersive learning experience that helps candidates learn, apply, and demonstrate their competencies. All programs are offered in collaboration with leading global universities and are taken by thousands of professionals every year to secure and grow their careers.

# CONTACT US



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