

DATA SCIENCE ARCHITECT MASTER PROGRAM

About IntelliPaat

IntelliPaat is a global online professional training provider. We are offering some of the most updated, industry-designed certification training programs in the domains of Big Data, Data Science & AI, Business Intelligence, Cloud, Blockchain, Database, Programming, Testing, SAP and 150 more technologies.

We help professionals make the right career decisions, choose the trainers with over a decade of industry experience, provide extensive hands-on projects, rigorously evaluate learner progress and offer industry-recognized certifications. We also assist corporate clients to upskill their workforce and keep them in sync with the changing technology and digital landscape.

About The Course

Our Data Science Architect master's course lets you gain proficiency in Data Science. You will work on real-world projects in Data Science with R, Hadoop Dev, Admin, Test and Analysis, Apache Spark, Scala, Deep Learning, Tableau, Data Science with SAS, SQL, MongoDB and more. In this program, you will cover 10 courses and 53 industry-based projects with 1 CAPSTONE project. As a part of online classroom training, you will receive five additional self-paced courses co-created with IBM namely Deep Learning with TensorFlow, Build Chatbots with Watson Assistant, R for Data Science, Spark MLlib, and Python for Data Science. Moreover, you will also get an exclusive access to IBM Watson Cloud Lab for Chatbots course.



Instructor Led Training

232 Hrs of highly interactive instructor led training



Self-Paced Training

104 Hrs of Self-Paced sessions with Lifetime access



Exercise and project work

253 Hrs of real-time projects after every module



Lifetime Access

Lifetime access and free upgrade to latest version



24x7 Support

Lifetime 24*7 technical support and query resolution



Get Certified

Get global industry recognized certifications



Job Assistance

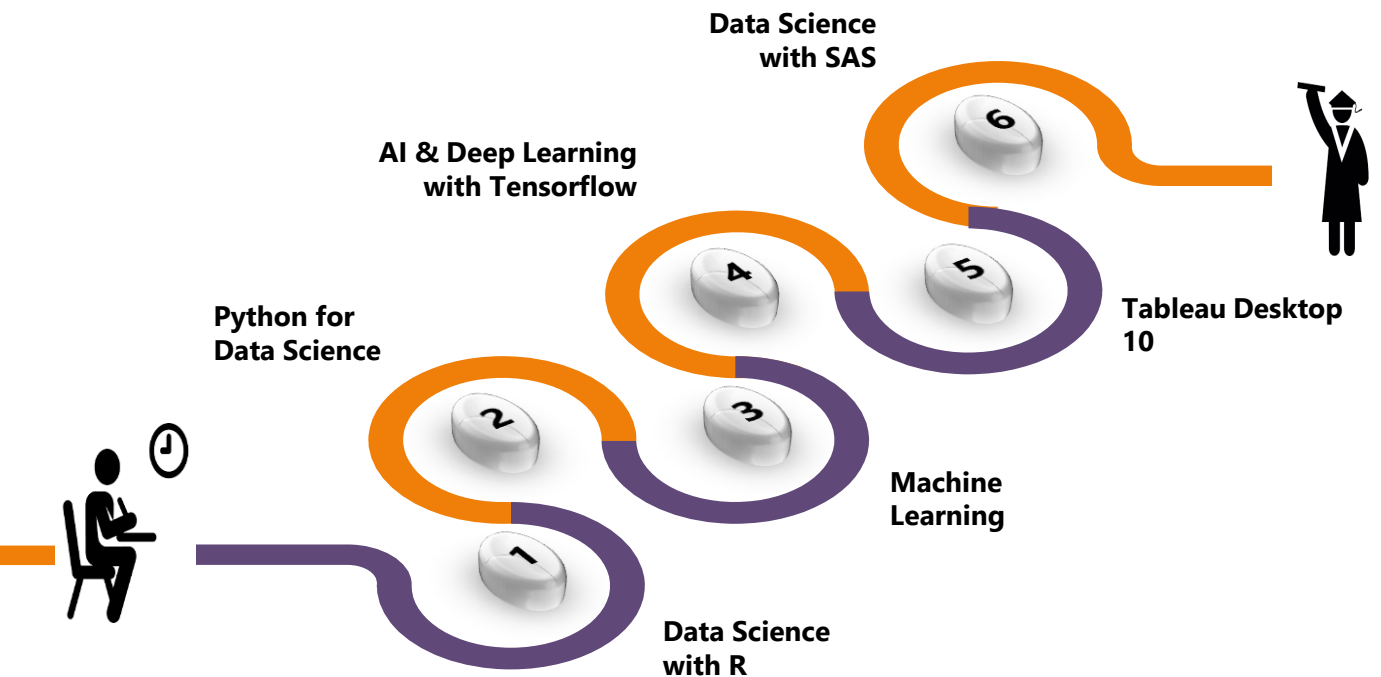
Job assistance through 80+ corporate tie-ups



Flexi Scheduling

Attend multiple batches for lifetime & stay updated.

Learning Path



Why take this Course?

This IntelliPaat training program has been created keeping in mind the needs of the industry when it comes to the domain of Data Science. Today's Data Scientists need to have a diverse set of skills which include working with huge volumes of data, parsing that data, converting it into a format that is easily understandable and using which business insights can be derived. This training program lets you play multiple roles in the Big Data and Data Science domains and get hired for top-notch salaries.

Index

Instructor Led

1. [Data Science with R](#)
2. [Python for Data Science](#)
3. [AI and Deep Learning](#)
4. [Tableau Desktop 10](#)
5. [Data Science with SAS](#)
6. [Machine Learning](#)
7. [Big Data Hadoop & Spark](#)

Self-Paced Courses

1. [Advance Excel](#)
2. [MongoDB](#)
3. [MS SQL](#)

Data Science with R

Learning Objective

This is a complete Data Science boot camp specialization training course from IntelliPaat that provides you with detailed learning in Data Science, Data Analytics, project life cycle, data acquisition, analysis, statistical methods and Machine Learning. You will gain expertise to deploy Recommenders using R programming, and you will also learn data analysis, data transformation, experimentation and evaluation.

Topics

- ❖ Introduction to Data Science with R
- ❖ Data Exploration
- ❖ Data Manipulation
- ❖ Data Visualization
- ❖ Introduction to Statistics
- ❖ Machine Learning
- ❖ Logistic Regression
- ❖ Decision Trees & Random Forest
- ❖ Unsupervised learning
- ❖ Association Rule Mining & Recommendation Engine
- ❖ Introduction to Artificial Intelligence (self paced)
- ❖ Time Series Analysis (self paced)
- ❖ Support Vector Machine – (SVM) (self paced)
- ❖ Naïve Bayes (self paced)
- ❖ Text Mining (self paced)
- ❖ Case Study

Python for Data Science

Learning Objective

The IntelliPaat Python for Data Science training lets you master the concepts of the widely used and powerful programming language, Python. You will gain hands-on experience in working with various Python packages like SciPy, NumPy, Matplotlib, Lambda function and more. You will work on real-world projects in the domain of Python and apply it for various domains of Big Data, Data Science and Machine Learning.

Topics

- ❖ Introduction to Data Science
- ❖ Introduction to Python
- ❖ Python basic constructs
- ❖ OOPs in Python
- ❖ NumPy for mathematical computing
- ❖ SciPy for scientific computing
- ❖ Data manipulationData visualization with Matplotlib
- ❖ Machine Learning using Python
- ❖ Supervised learning
- ❖ Unsupervised Learning
- ❖ Python integration with Spark- (selfpaced)

Machine Learning Course

Learning Objective

Intellipaats Machine Learning certification course is an online instructor-led training program that is curated and developed by SMEs over the years to meet the needs of the current data-driven industry. Our online Machine Learning certification course provides a detailed overview of Machine Learning topics such as: Using real-time data, creating algorithms using different ML techniques, Regression, Classification, and Time Series Modelling. This Machine Learning training program covers the most popular and widely used Deep Learning technologies and their applications, as well as Natural Language Processing, thus, paving the way for a solid foundation of Machine Learning. Further, in this Machine Learning online course, you will learn how to extract predictions from data using Python!

Topics

- ❖ Introduction to Machine Learning
- ❖ Supervised Learning and Linear Regression
- ❖ Classification and Logistic Regression
- ❖ Decision Tree and Random Forest
- ❖ Naïve Bayes and Support Vector Machine (self paced)
- ❖ Unsupervised Learning
- ❖ Natural Language Processing and Text Mining (self paced)
- ❖ Introduction to Deep Learning
- ❖ Time Series Analysis (Self-paced)

AI and Deep Learning

Learning Objective

Intellipaate offers a comprehensive Artificial Intelligence program that will help you work on today's cutting-edge technology – Artificial Intelligence (AI). As part of this best AI training, you will master various aspects of artificial neural networks, supervised and unsupervised learning, logistic regression with a neural network mindset, binary classification, vectorization, Python for scripting Machine Learning applications, and much more.

Topics

- ❖ Introduction to Deep Learning & Neural Networks
- ❖ Multi-layered Neural Networks
- ❖ Artificial Neural Networks and Various Methods
- ❖ Deep learning libraries
- ❖ Keras API
- ❖ TFLearn API for TensorFlow
- ❖ DNN: Deep Neural Networks
- ❖ CNN: Convolutional Neural Networks
- ❖ RNN: Recurrent Neural Networks
- ❖ GPU in Deep Learning
- ❖ Autoencoders & Restricted Boltzmann Machine (RBM)
- ❖ Deep Learning applications
- ❖ Chatbots
- ❖ Time Series Analysis (Self-Paced)

Tableau Desktop 10

Learning Objective

Intellipaats Tableau training will help you master building interactive Tableau dashboards and learning data visualization. This Tableau course will prepare you for the Tableau Desktop Qualified Associate Certification exam. You will learn about Tableau Desktop and public integration with R and Big Data in this Tableau certification training. The course is best for software developers, systems and IT administrators, and BI experts.

Topics

- ❖ Introduction to Data Visualization and Power of Tableau
- ❖ Architecture of Tableau
- ❖ Working with Metadata & Data Blending
- ❖ Creation of sets
- ❖ Working with Filters
- ❖ Organizing Data and Visual Analytics
- ❖ Working with Mapping
- ❖ Working with Calculations & Expressions
- ❖ Working with Parameters
- ❖ Charts and Graphs
- ❖ Dashboards and Stories
- ❖ TableauPrep
- ❖ Integration of Tableau with R and Hadoop

Data Science with SAS

Learning Objective

This SAS training course will help you in learning the domains of Business Analytics and Business Intelligence. Upon the completion of this SAS online training, you will have enough proficiency in reading spreadsheets, databases, using SAS functions for manipulating this data and debugging it. This Base SAS certification training also includes data mining, data analytics, modeling techniques, visualization of data, predictive analysis and extracting insights through real-world case studies.

Topics

- ❖ Introduction to SAS
- ❖ SAS Enterprise Guide
- ❖ SAS Operators & Functions
- ❖ Compilation & Execution
- ❖ Using Variables
- ❖ Creation and Compilation of SAS Data sets
- ❖ SAS Procedures
- ❖ Input statement and formatted input
- ❖ SAS FORMAT
- ❖ SAS Graphs
- ❖ Interactive Data Processing
- ❖ Data Transformation Function
- ❖ Output Delivery System (ODS)
- ❖ SAS MACROS
- ❖ PROC SQL
- ❖ Advanced Base SAS
- ❖ Summarization Reports

Self-Paced Courses

Statistics & Probability

This Statistics & Probability course is an in-depth training in the fields of statistics and probability. Some of the aspects in which you will gain proficiency are statistics, rules of probability, Bayes theorem, various methods of sampling, probability distributions, and data analytics.

Advance Excel

This Microsoft Excel course will give you an overview of working with the powerful spreadsheet application Excel. This includes creating dashboards, interactive components, data consolidation and debugging. This Training is useful for working on financial, mathematical and statistical data processing.

MongoDB

This is a very extensive course in MongoDB that is one of the most widely used NoSQL tools in the Big Data domain. Some of the topics that are included in this MongoDB Training are installation of MongoDB, JSON, Data Modeling and Schema Design. You will gain enough expertise in the framework of Data Monitoring, Indexing, and Aggregation.

Self-Paced Courses

MS SQL

This MS SQL training enables you to manage database solutions and various operations on databases and migrate them to the cloud and scale on demand. You will work on real-world projects and master Transact SQL. As part of this online classroom training, you will also receive official course material issued by Microsoft for 'Querying Data with Transact-SQL' and 'Developing SQL Databases'. Accredited by Microsoft, this online SQL training by Microsoft certified experts is the best you can get in the marketplace today.

Machine Learning

This Machine Learning Course is a comprehensive course for mastering the various aspects of machine learning. You will learn about supervised and unsupervised learning, Support Vector Machines, Random Forest Classifiers, the best practices of machine learning and more through hands-on projects and case studies.

Hadoop Developer

This Hadoop Developer Course will help you get a detailed idea about Big Data and Hadoop. Some of the topics included are introduction to the Hadoop ecosystem, understanding of HDFS and MapReduce including MapReduce abstraction. Learn to install, implement various components of Hadoop like Pig, Hive, Flume, Sqoop and YARN.

Project Works

Course	Industry/Domain	Project
Data Science With R	Retail	Augmenting retail sales with Data Science
	Finance	Analyzing pre-paid model of stock broking
	Ecommerce	Cold Start Problem in Data Science
	Ecommerce	Recommendation for Movie, Summary
	Telecommunications	Telecom customer churn ratio prediction
	Gaming	Prediction on Pokemon dataset
	E-commerce	Book Recommender System
	Analytics	Capstone
Python for Data Science	General	Analyzing the naming pattern using Python
	General	Python Web Scraping for Data Science
	Telecommunications	Predicting customer churn in Telecom Company
	Software	Server logs/Firewall logs
Apache Spark & Scala	Media	Movie Recommendation
	Internet Services	Twitter API integration for tweet analysis
	Internet Services	Data Exploration Using Spark SQL – Wikipedia data set
AI & Deep Learning with TensorFlow	Internet Services	Image recognition with Tensorflow
	Ecommerce	Building an AI-based Chatbot
	Ecommerce	Ecommerce product recommendation
Tableau Desktop 10	Sales	Tableau Interactive Dashboards
	Crime	Segmenting types of crimes and their frequency
	Government	Analyzing economic data
	Retail	Analysing market performance
Data Science with SAS	Healthcare	Categorization of patients based on count of drugs for their therapy
	Finance Market	Build Revenue projections reports
	Banking	Impact of pre-paid plans on the preferences of investors
	Analytics	k-Means Cluster analysis on iris dataset
1 Data Science Capstone Project		

Job Assistance Program

Intellipaate is offering job assistance to all the learners who have completed the training. You should get a minimum of 60% marks in the qualifying exam to avail job assistance.

Intellipaate has exclusive tie-ups with over 80 MNCs for placements.



Successfully finish the training



Get your resume updated



Start receiving interview calls

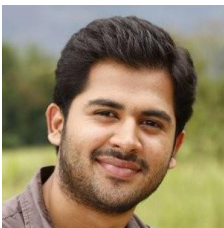
Intellipaate Alumni Working in Top Companies



Anthony Crenshaw 

Master Radio Electronic Communication Officer with Active Security Clearance (Maritime) & Nokia Aircscale Integrator (RF)

I am glad I took the Intellipaate spark training. The trainers offered quality Spark training with real world examples and there was extensive interactivity throughout the training and this made the Intellipaate training the best according to me



Abhimanyu Balgopal 

Product Engineer (BigData)

As a Big Data Engineer, this combo course doubled my interest in various technologies specifically Hadoop, Spark, Storm Scala and others. Very beneficial for those who are passionate about Big Data and Data science and want to learn everything at one place. The courses in this combo are well constructed and each topic is well explained. Thanks Intellipaate!!!



Swetha Pandit 

Big Data Developer at Accenture

Their courses are well structured and taught by recognized professionals. I have found the videos to be of excellent quality. Thanks

[More Customer Reviews](#)

Our Clients

ERICSSON 


CISCO


Mu Sigma

SONY


TATA CONSULTANCY SERVICES

Standard Chartered 

 Cognizant

 genpact
Transformation Happens Here

+80 Corporates

Frequently Asked Questions

Q 1. What is the criterion for availing the IntelliPaat job assistance program?

Ans. All IntelliPaat learners who have successfully completed the training post April 2017 are directly eligible for the IntelliPaat job assistance program.

Q 2. Which are the companies that I can get placed in?

Ans. We have exclusive tie-ups with MNCs like Ericsson, Cisco, Cognizant, Sony, Mu Sigma, Saint-Gobain, Standard Chartered, TCS, Genpact, Hexaware, and more. So you have the opportunity to get placed in these top global companies.

Q 3. Do I need to have prior industry experience for getting an interview call?

Ans. There is no need to have any prior industry experience for getting an interview call. In fact, the successful completion of the IntelliPaat certification training is equivalent to six months of industry experience. This is definitely an added advantage when you are attending an interview.

Q 4. If I don't get a job in the first attempt, can I get another chance?

Ans. Definitely, yes. Your resume will be in our database and we will circulate it to our MNC partners until you get a job. So there is no upper limit to the number of job interviews you can attend.

Q 5. Does IntelliPaat guarantee a job through its job assistance program?

Ans. IntelliPaat does not guarantee any job through the job assistance program. However, we will definitely offer you full assistance by circulating your resume among our affiliate partners.