

# ARTIFICIAL INTELLIGENCE ENGINEER MASTER'S COURSE

CO-CREATED WITH **IBM**



## 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.

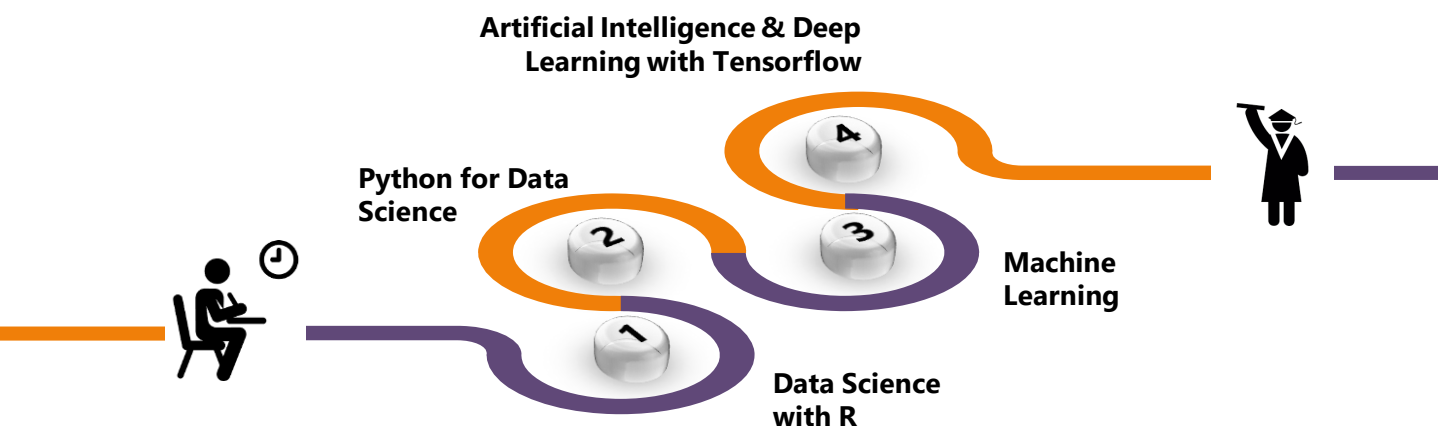
We help professionals make the right career decisions, choose the trainers with over a decade of industry experience, provide extensive hands-on projects, rigorously evaluate learner progress and offer industry-recognized certifications. We also assist corporate clients to upskill their workforce and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

## About The Course

This is an Artificial Intelligence Engineer Master Course that is a comprehensive learning approach for mastering the domains of Artificial Intelligence, Data Science, Business Analytics, Business Intelligence, Python coding, and Deep Learning with TensorFlow. Upon completion of the training, you will be able to take on challenging roles in the artificial intelligence domain.



## Learning Path



## Why take this Course?

Artificial intelligence is one of the hottest domains being heralded as the one with the ability to disrupt companies cutting across industry sectors. This IntelliPaat Artificial Intelligence Engineer Master Course will equip you with all the necessary skills needed to take on challenging and exciting roles in the artificial intelligence, data science, business analytics, Python, R statistical computing domains and grab the best jobs in the industry at top-notch salaries.

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# Data Science with R

## Learning Objective

This will help you to be master in in data manipulation with R programming, data visualization and advanced analytics topics like regressions and data mining using RStudio. During this course, you will work on real-life projects and assignments to master Data Science.

## Topics

### Online Course

- ❖ 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

### Self Paced Course

- ❖ Introduction to Artificial Intelligence
- ❖ Time Series Analysis
- ❖ Support Vector Machine – (SVM)
- Naïve Bayes
- ❖ Random Forest
- ❖ Text Mining
- ❖ Case Study

# Python for Data Science

## Learning Objective

This course lets you master 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
- ❖ Writing OOP in Python and connecting to database
- ❖ NumPy for mathematical computing
- ❖ SciPy for scientific computing
- ❖ Data Analysis and Machine Learning (Pandas)
- ❖ Data manipulation
- ❖ Data visualization with Matplotlib
- ❖ Supervised learning
- ❖ Unsupervised Learning
- ❖ Web Scraping with Python
- ❖ Python integration with Hadoop and Spark

# Machine Learning

## Learning Objective

This course will help you to learn & master the concepts and techniques of machine learning algorithms, supervised and unsupervised learning, probability, statistics, decision tree, random forest, linear and logistic regression through real-world hands-on projects. This Machine Learning certification course training can be taken by anybody to become a successful Machine Learning engineer.

## Topics

- ❖ Python Environment Setup and Essentials
- ❖ Python Language Basic Constructs
- ❖ NumPy for Mathematical Computing
- ❖ SciPy for Scientific Computing
- ❖ Pandas for Data Analysis
- ❖ Introduction to Machine Learning
- ❖ Supervised Learning and Linear Regression
- ❖ Classification and Logistic Regression
- ❖ Decision Tree and Random Forest
- ❖ Naïve Bayes and Support Vector Machine
- ❖ Unsupervised Learning
- ❖ Introduction to Deep Learning

# AI and Deep Learning

## Learning Objective

This training course offers the comprehensive Deep Learning training that will help you to work on the cutting-edge of artificial intelligence. As part of the training you will master the various aspects of artificial neural networks, supervised and unsupervised learning, logistic regression with neural network mindset, binary classification, vectorization, Python for scripting machine learning applications.

## Topics

- ❖ Introduction to Deep Learning & Neural Networks
- ❖ Multi-layered Neural Networks
- ❖ Training of neural networks
- ❖ 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

# Self-Paced Courses

## SAS

This SAS training will help you master the business intelligence and analytics tool. You will be proficient in statistical analysis, reading data from spreadsheets and databases, modeling the data, deploying predictive analytics and visualizing the data.

## 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.

## Tableau

This Tableau 10 training will give you complete proficiency in the top data visualization and reporting tool. You will learn how to integrate Tableau with Hadoop and R to come with compelling business insights.



# 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
	E-commerce	Cold Start Problem in Data Science
	Entertainment	Recommendation for Movie, Summary
	Gaming	Prediction on Pokemon dataset
	E-commerce	Book Recommender System
	Analytics	Capstone
Python for Data Science	General	Analyzing the naming pattern using Python
	Technology	Python Web Scraping for Data Science
	Telecommunications	Predicting customer churn in Telecom Company
	Network Security	Server logs/Firewall logs
Machine Learning	General	Customer Churn Classification
	Entertainment	Recommendation for Movie, Summary
AI Deep Learning Projects	Internet Search	Image recognition with TensorFlow
	General	Building an AI-based chatbot
	E-commerce	E-commerce product recommendation

# Job Assistance Program

Intellipaatt 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.

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



Successfully finish the training

Get your resume updated

Start receiving interview calls

## Intellipaatt Alumni Working in Top Companies



Ruchika Siyal 

**Data Scientist at Infosys**

I liked the way Intellipaatt has created the master program learning path for AI engineer. Anybody looking to excel in artificial intelligence must take this course from Intellipaatt



BhanuKumar Muppalla 

**Business Associate at cts Chennai**

Intellipaatt offered fully updated learning material for the artificial intelligence training. The video quality and other course material were appreciable. I would definitely recommend Intellipaatt AI training to my friends



Jayesh Modi 

**Sr. Python Programmer at Marlabs Inc.**

Awesome online training . Clear explanations, good examples. Good piece of work, helps to get deep dive into this subject in just a few days!

## Our Clients

ERICSSON



SONY



**+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.