

# ARTIFICIAL INTELLIGENCE ENGINEER MASTER'S COURSE

CO-CREATED WITH 



## About Intellipaate

Intellipaate 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.

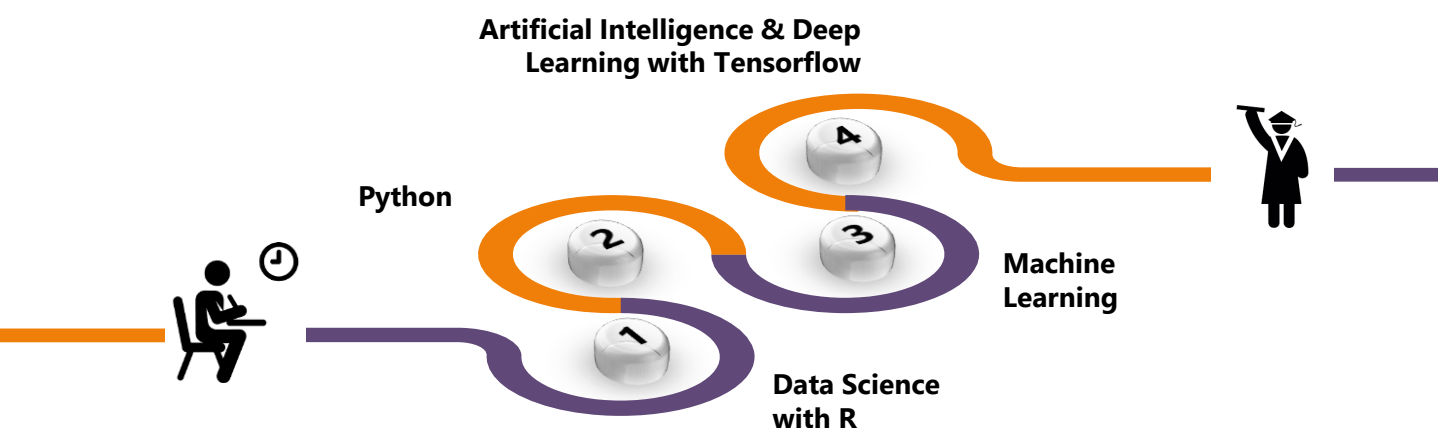
We help professionals make the right career decisions, choose the trainers with over a decade of industry experience, provide extensive hands-on projects, rigorously evaluate learner progress and offer industry-recognized certifications. We also assist corporate clients to upskill their workforce and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

## About The Course

This is an Artificial Intelligence Engineer master's 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 the 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 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

### 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
- ❖ Text Mining
- ❖ Case Study

# Python

## Learning Objective

Python training certification course will help you to understand the high-level, general-purpose dynamic programming language. In this Python training course, you will be exposed to both the basic and advanced concepts of Python like Machine Learning, Deep Learning, Hadoop streaming and MapReduce in Python, and you will work with packages like Scikit and SciPy.

## Topics

- ❖ Python Environment Setup and Essentials
- ❖ Python language Basic Constructs
- ❖ OOP concepts in Python
- ❖ Database connection
- ❖ NumPy for mathematical computing
- ❖ SciPy for scientific computing
- ❖ Matplotlib for data visualization
- ❖ Pandas for data analysis and machine learning
- ❖ Exception Handling
- ❖ Multi Threading & Race Condition
- ❖ Packages and Functions
- ❖ Web scraping with Python
- ❖ Python for Apache Spark coding

# Machine Learning

## 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
- ❖ DNNs (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)

# 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.