

# DATA SCIENCE IMMERSIVE BOOTCAMP

(with Job Guarantee)



Classroom Training



9 months Program



Paid Internship  
from Day 1



Job Guarantee

30

Seats Only

10+

Real Life industry  
Experience

500+

Hours of  
classroom training

1000+

Hours of work  
experience

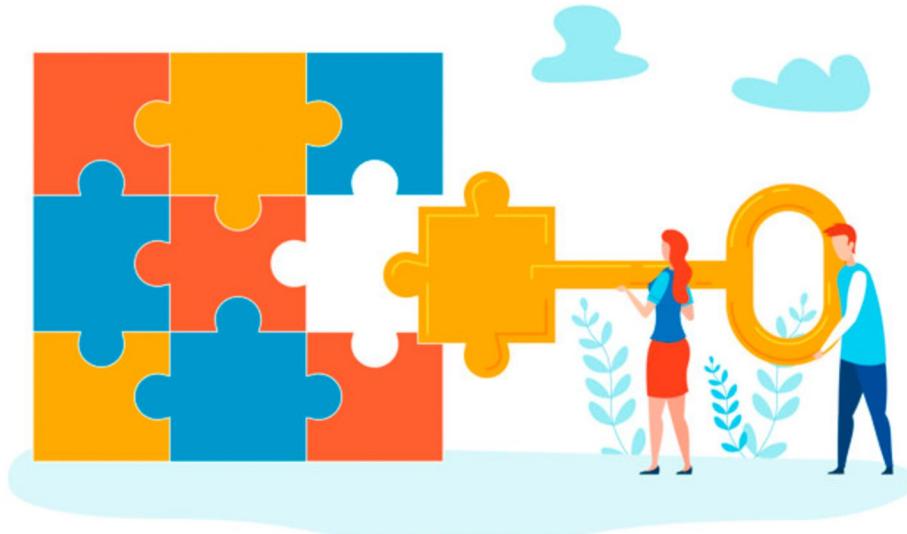


**GURUGRAM**

# KEY SKILLS

You will develop in this Program:

1. Developing Business understanding & Solving Business Problems using Structured Thinking
2. Communications - Presenting to Stakeholders and influencing them
  - a. Data Journalism / Storytelling / Visualization
  - b. Presenting to different types of audiences
  - c. Blogs / Technical Note writing



3. Working within teams effectively.
4. Depth in Data Science Tools / Technique.
5. Basics of Data Engineering for building Data Pipelines.
6. Working on Different types of data - Image, Text, Voice.
7. Industry awareness and applications of DS in different industries.

# 01

MONTH

1. Overview of Data Science
2. Model Building Life Cycle
3. Exploring and Building Data Stories

**Projects:**

- a. Churn Prediction  
Case Study for a retail bank



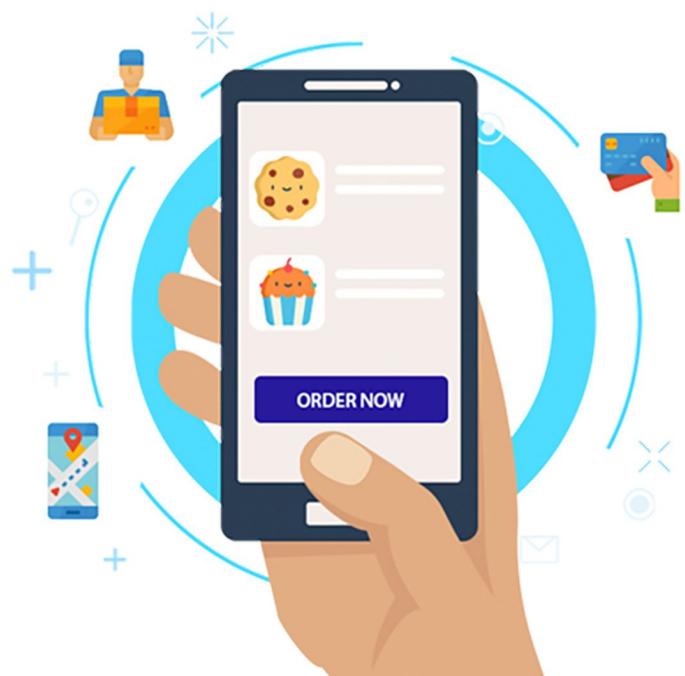
# 02

MONTH

1. Exploring and Building Data Stories Continued
2. SQL and NoSQL databases
3. Machine Learning Basics

**Projects:**

- a. Descriptive Analytics of  
FIFA 19 Players
- b. Predict purchase amount for  
customers against multiple  
products for a retail chain

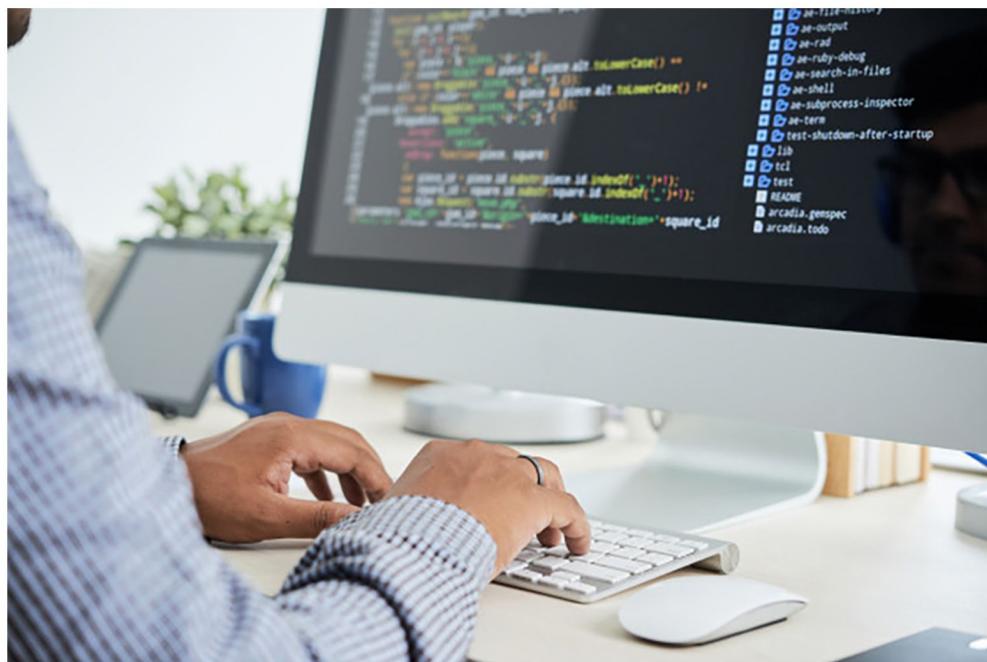


**03**  
MONTH

1. Machine Learning Basics Continued
2. Unsupervised Learning, Linear Algebra, and Dimensionality Reduction
3. Recommendation Systems
4. Advanced Machine Learning Algorithms

### Projects:

- a. Estimate the propensity of customer churn for a Retail Bank
- b. Forecast traffic patterns at four major junctions for Smart City
- c. Recommend coding challenges on a competition platform

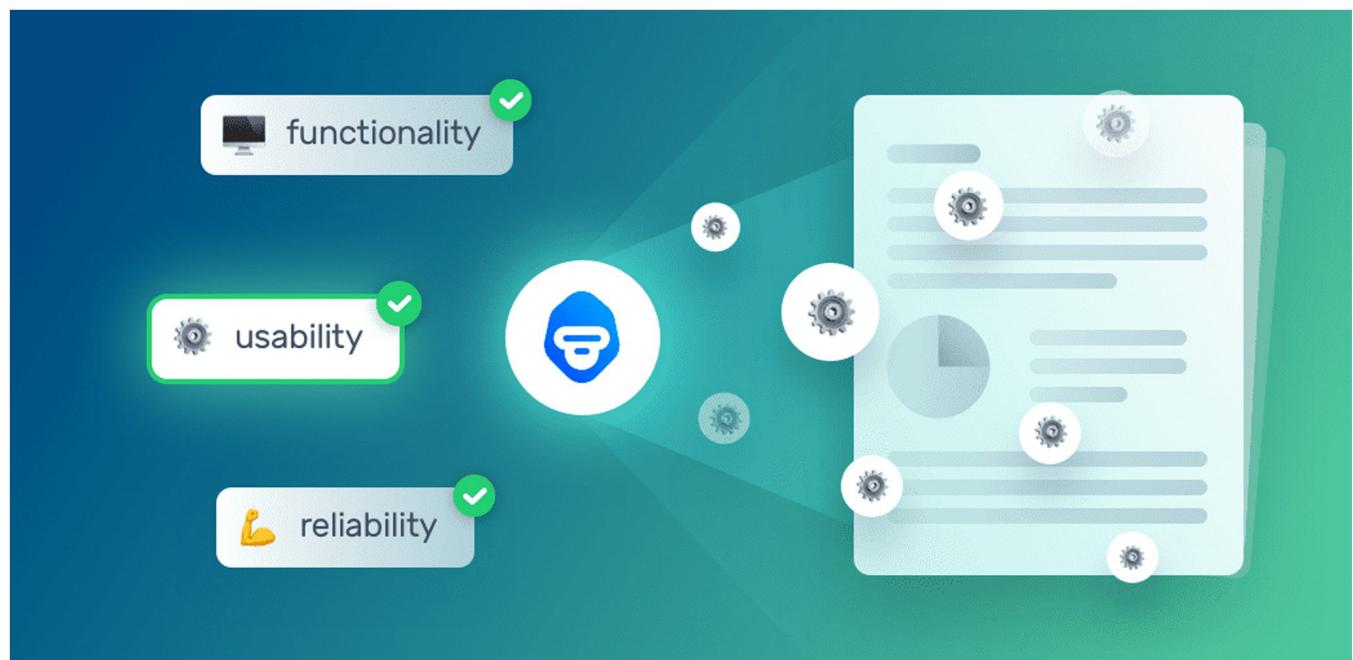


**04**  
MONTH

1. Advanced Machine Learning Algorithms Continued
2. Model Inference & Deployment

### Projects:

- a. Building a sentiment analysis model from customer feedback
- b. Automatic detection of Malaria from blood smear image
- c. Build an automatic document classifier

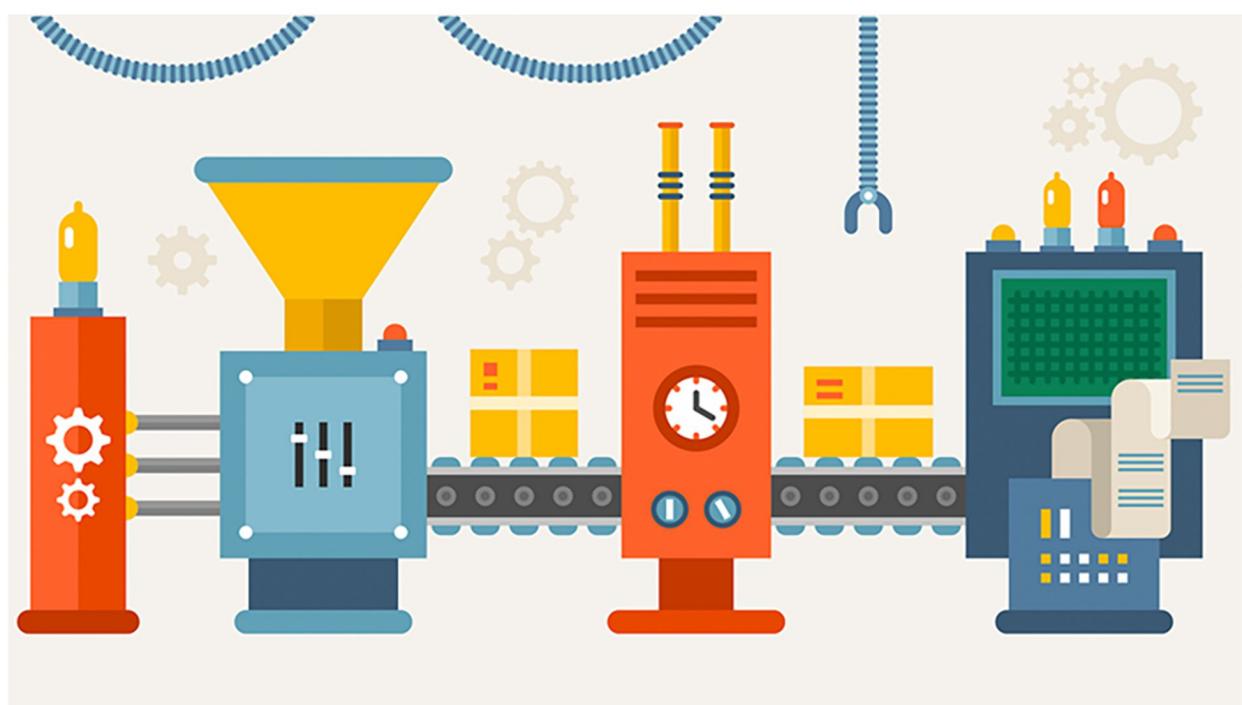


**05**  
MONTH

1. Model Inference & Deployment Continued
2. Deep Learning (MLP, CNN, RNN)
3. Computer Vision

### Projects:

- a. Deploy a Machine Learning model to production
- b. Build an Image classifier model to classify emergency and non emergency vehicles
- c. Build an automatic document classifier using deep learning



**06**  
MONTH

1. Computer Vision Continued
2. Natural Language Processing

**Projects:**

- a. Age Prediction of People from closeups of Facial Images
- b. Build your crowd counting model using deep learning

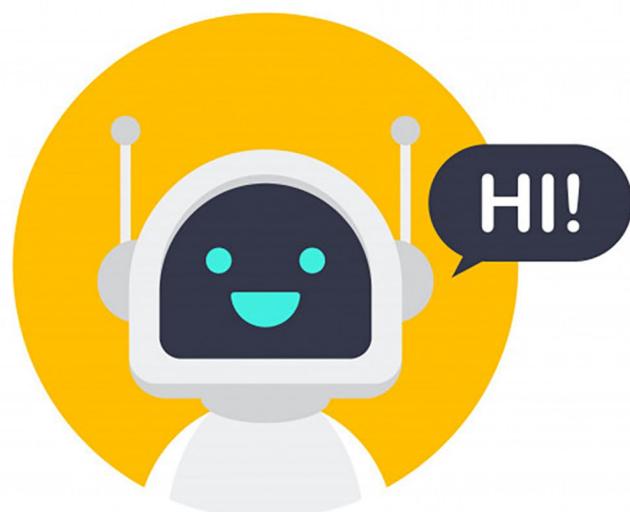


**07**  
MONTH

1. Natural Language Processing Continued
2. Data Engineering

**Projects:**

- a. Build an automatic tagger for the Stack Overflow questions
- b. Build your first Chatbot
- c. Create short summaries of customer reviews



**08**  
**MONTH**

- 1.** Data Engineering Continued
- 2.** Processing Real-time data
- 3.** Big Data Machine Learning

### Projects:

- a.** Build batch pipelines using AirFlow and Spark for a simulated eCommerce application
- b.** Build batch pipelines using AirFlow and Spark for Airlines Data
- c.** Predict conversion payout on click stream data



**09**  
**MONTH**

## Capstone Project

At the end of your Bootcamp, you will also get to work on an exclusive Capstone Project. This will be a hands-on project where you'll get the opportunity to apply what you've learned throughout the duration of the Bootcamp on a real-world industry problem.



**Last date of application**

**10<sup>th</sup> January 2020**

**For any queries  
contact us:**



+91-8368808185



connect@analyticsvidhya.com



www.analyticsvidhya.com