



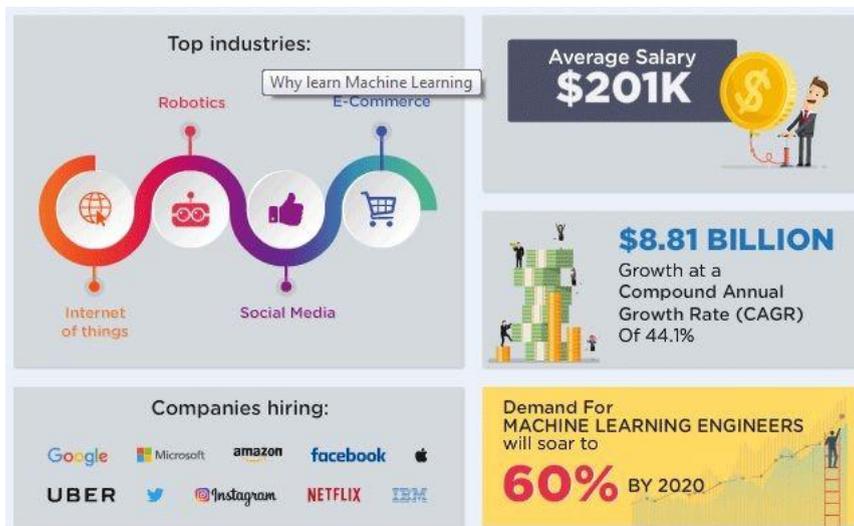
We Automate

Plot No. 271-272,
Pocket 2, Sector 25,
Rohini, Delhi
110085

**Training Program
On
Machine Learning and
Artificial
Intelligence Training**

Why Artificial Intelligence?

- The median salary of an AI engineer in the US is nothing less than **\$ 80,000** according to payscale.com. Nearly all big tech companies have an artificial intelligence project, and they are willing to pay experts millions of dollars to help get it done!
- **13.6 million jobs are going to be created in the AI field** in the coming decade (source: Forrester). But there's a staggering talent shortage — **fewer than 10,000 people** in the world have the skill set to conduct important AI research, according to technology and consulting firm Element AI - which is all the more reason for you to take this course!



Why learn Machine learning?

- Machine learning is taking over the world and with that, there is a growing need among companies for professionals to know the ins and outs of machine learning
- The machine learning market size is expected to grow from USD 1.03 Billion in 2016 to **USD 8.81 Billion by 2022**, at a Compound Annual Growth Rate (CAGR) of **44.1%** during the forecast period.

Course Details

We Automate conducts following trainings for Artificial Intelligence and Machine Learning:

1. One Week or 40 hours certificate industrial training on Artificial Intelligence and Machine Learning with capstone project.

Contents Taught:

Day 1

- Course Introduction
- Environment set-up
- Jupyter overview
- Python crash course
- Python for data analysis-numpy
- Python for data analysis-pandas

Day 2

- Python for data visualization-matplotlib
- Python for data visualization-Seaborn
- Data Capstone projects

Day 3

- Introduction to ML
- Linear regression
- Hands-on USA_Housing dataset
- Price prediction of houses using univariate linear regression
- Price prediction of houses using multivariate linear regression ●
Cross validation and bias variance trade off

Day 4

- Logistic regression
- Hands-on titanic dataset
- Predicting the survival of certain person in titanic using logistic approach
- Limitations of logistic model

Day 5

- Introduction to unsupervised learning
- K means clustering
- Clustering of Real time gps dataset of ola cars
- K nearest neighbours
- Combining k means clustering with k nearest neighbours
- Predicting the location of ola cars on the bases of clustered data by KNN

Day 6

- Support vector machines
- Hands-on Iris Dataset
- Predicting different species of flowers on the basis of their features
- Decision trees and random forests
- Working on kyphosis dataset
- Determining whether kyphosis can be treated well or not.
- Hands-on load data dataset
- Predicting whether a given load can be returned or not

****extra training sessions can be conducted if students are having any doubts or working on any projects***

Internships: Selected students will be given the opportunity of unpaid internship on live corporate projects at our premises.

Duration: 6 days or 40 hours

Our Team and Trainers



Akash Bhargava
CEO
Alumini IIT Delhi



Nipun Sachdeva
Head Corporate Training



Siddhartha Bhatia
Head Academic Training

Nipun Sachdeva and Siddharth Bhatia

Nipun and Siddharth have trained more than 3000 students for Embedded Systems, Artificial Intelligence, Machine Learning and in Robotic process automation, They have an experience of more than 6 years and are the domain experts for the same.

Akash Bhargava

Akash is an Alumni of IIT Delhi, he has gained experience from Bhabha Atomic Research Centre, Mumbai, Institute For Plasma Research, Ahmedabad and Hewlett Packard, his interest in Artificial Intelligence and its evolving role led him to form and initiate **We Automate** where they develop and train people in Artificial Intelligence and Machine Learning.