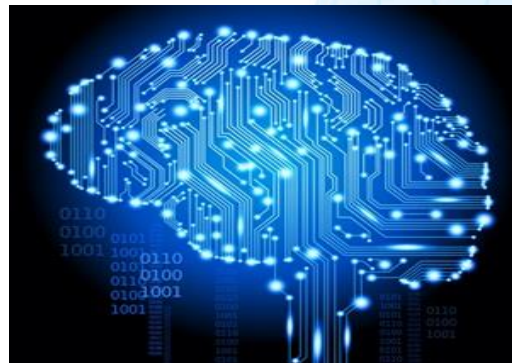


Two Day Boot Camp On
AI with Python



Mr.P.Mohan
15+ Experienced Sr. Data Scientist

Learn from Industry Experts

Introduction

Today's world aims at the science and engineering of making intelligent machines, especially intelligent computer programmes. A branch of Computer Science that pursues creating the computers or machines as intelligent as human beings is named 'Artificial Intelligence'.

Artificial Intelligence (AI) is a way of making a computer, a computer-controlled robot, or a software think intelligently, in the similar manner the intelligent humans think. AI is accomplished by studying how human brain thinks and how humans learn, decide, and work while trying to solve a problem, and then using the outcomes of this study as a basis of developing intelligent software and systems.

Necessity for knowing and learning AI

AI pursues creating the machines as intelligent as human beings because:

1. AI can learn through data.
2. AI can teach itself.
3. AI can organize data to get most out of it.
4. AI achieves accuracy.

Course Content

Two day boot camp mainly aims at providing an overview with hands-on experience for an in-depth understanding of the importance of applications of Artificial Intelligence using Python. Discussions in the boot camp include:

- **Basic concepts of AI:** Getting started with Python, Types of Machine Learning Data Preparation, Data Preprocessing, Labelling the Data
- **Supervised Learning:** Classification-Building a Classifier in Python- Logistic Regression, Decision Tree Classifier, Random Forest Classifier
- **Supervised Learning:** Regression for Forecasting
- **Unsupervised Learning:** Clustering
- **Natural Language Processing:** Working with NLTK Package Tokenization, Stemming, Lemmatization, Bag of Word(BoW) Model
- **Analyzing Time Series Data:** Working with Python Pandas, Extracting Statistic from Time Series Data
- **Speech Recognition:** Building a Speech Recognizer , Visualizing Audio Signals, Feature Extraction from Speech , Recognition of Spoken Words
- **Computer Vision and Deep Learning:** Computer Vision vs Image Processing, Edge, Face and Eye Detection, Overview of Deep Learning, Convolutional Neural Network, Linear Regression using ANN, Image Classifier using Deep Learning.

Prerequisites

Participants must have some basic coding skills in any programming language

Who can attend?

- Students pursuing/pursued B.Tech CSE, ECE ,MCA, M.Sc Computers, M.Sc Statistics etc.
- Professionals who are interested to explore a new learning curve through Data Science

Course Fee & Payment Details

Students Course Fee: Rs.1000 (Inclusive of GST)

Professionals Course Fee: Rs.2000(Inclusive of GST)

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