Techobyte
Step in for better furure

NEURAL NETWORKING

Day 1 Session 1

* Introduction to Python
* Mutability
* Variables, Scope
* Single Types
* Ints, Floats, Rounding, Casting, Coercion, Booleans, Randoms & Printing
* Group Types
* List, Tuples,Dictionary
* Operators
* Conditional
* Recurrence
* Classes

Day 1 Session 2

Neural network and deep learning Prerequisites
* Numpy
* Pandas
* Matplotlib
* Scipy

Introduction to Tensorflow and Machine Learning

* Representation Learning
* Neural Networks Introduced
* Introducing TensorFlow
* Tensors

Day 2 Session 1

Linear Regression with Single Neuron
* Learning Algorithm
* Individual Neuron
* Linear Regression
* Learning XOR
* XOR Trained
* Neural Networks and Deep Learning

Operation of a Single Neuron

* The Activation Function
* Training a Neural Network: Back Propagation
* Automobile Price Prediction - Exploring the Dataset
* Automobile Price Prediction - Using TensorFlow for Prediction
* Hyperparameters
* Preventing Overfitting

Day 2 Session 2

RNN

* Review and Sentiment Analysis using RNN
* Introduction to RNN
* RNN cell
* RNN for Image Classification
* Long/Short Term Memory cell
* Text in numeric form
* Sentiment Analysis
* Introduction to CNN

Projects:
Data prediction model
Data analytics Model
Automobile price prediction model
Image Classification Model
Sentiment analysis model