Grace Tech Solutions

Training | Development | Placement

Artificial Intelligence

ARTIFICIAL INTELLIGENCE

- ❖ Introduction to Artificial Intelligence
- ❖ Life with AI
- ❖ Application Areas of Artificial Intelligence
- ❖ Introduction to Neural Network
- ❖ Types Of Neural Network
- ❖ Tensor Flow and Keras Introduction

REGRESSION ALGORITHIMS

- ❖ Simple Linear Regression
- ❖ Multiple Linear Regression
- ❖ Polynomial Regression
- ❖ Logistic Regression
- ❖ Prediction of Employees Salary
- ❖ Predict House Prices with Regression

CLASSIFICATION ALGORITHIMS

- ❖ Introduction
- ❖ Linear Regression
- ❖ Logistic Regression
- ❖ KNN
- ❖ Decision Tree
- ❖ Random Forest
- ❖ Support Vector Machines
- ❖ Naïve Bayes

CLUSTERING ALGORITHIMS

- ❖ Introduction
- ❖ Types
- ❖ KMeans Clustering

NATURAL LANGUAGE PROCESSING

- ❖ NLTK Introduction
- ❖ Word tokenization
- ❖ Segregation of sentences
- ❖ Sentimental Analysis

OPENCV

- ❖ Introduction
- ❖ Application Areas
- ❖ Installation
- ❖ Work with images
- ❖ Work with videos
- ❖ Image manipulation
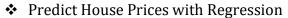- ❖ Object Tracking
- ❖ Face Recognition

MODEL PERFORMANCE WITH LINEAR REGRESSION

- ❖ Simple Linear Regression
- ❖ Multiple Linear Regression
- ❖ Polynomial Regression
- ❖ Logistic Regression
- ❖ Prediction of Employees Salary

- ❖ Predict House Prices with Regression
- ❖ Train Test Model

NEURAL NETWORK WITH TENSOR FLOW

- ❖ Artificial Neural Network (ANN)
- ❖ Biological Neural Network (BNN)
- ❖ Convolution Neural Networks (CNN)
- ❖ Recurrent Neural Networks (RNN)
- ❖ Gradient Descent Algorithm

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