Welcome to ineuron.ai

Hive Project to build a data warehouse for e-Commerce

Description:

In this project, we will learn how to build a complete end-to-end data warehouse for an e-commerce application to perform Apache Hive

analytics on various datasets using big data tools like Apache Sqoop, Apache Spark, and HDFS. In order to achieve this task, we utilize the various services provided by AWS. For this hive project, we will delve further into some of the analytical features of the Hive.

Start Date: 3rd Jan'23

Doubt Clear Time:

Course Time: Flexible

Features:

Do Everything In Industry Grade Lab

Learn As Per Your Timeline

Hands-On Industry Real-Time Projects.

Self Paced Learning

Dashboard Access

What we learn:

Real Time Projects

Hive Project to build a data warehouse for e-Commerce

Understanding various services provided by AWS

Creating an AWS EC2 instance

Moving the data from MySQL to HDFS

Data ingestions using Sqoop, Spark and Hive

Understanding different analytical functions in Hive

Requirements:

System with minimum i3 processor or better

At least 4 GB of RAM

Working internet connection

Dedication to learn

Instructor:

Name:

Priya Bhatia

Description:

Expertise in data structure competitive programing and solving an analytical problems and implementing data structure algorithm in multiple programing language. I have done my M.Tech in Artificial Intelligence at IIT Hyderabad and have an

experience of implementation in multiple projects.

>Welcome to the Course:

>>Course Overview

>>Dashboard Introduction

>Project :- Hive Project to build a data warehouse for e-Commerce:

>>Introduction of Instructor

>>Project Overview

>>End Notes

>>Problem Description

>>Understand the application scope

>>Tour to an existing solution

>>End Notes

>>Big Data

>>Data warehouse

>>MySQL

>>Apache Hive

>>Apache Sqoop

>>Apache Spark

>>End Notes

>>Solution Description

>>Tour of the architecture diagram

>>Cost Involved

>>End Notes

>>Launch of AWS EC2 Instance

>>Docker Image creation

>>Environment Setup Steps in detail

>>MySQL table creation

>>Data ingestion: MySQL to HDFS via Apache Sqoop

>>HDFS to Hive Data transfer and integration into Apache Spark

>>Extraction of customer demographics info

>>Parquet file storage and its usage

>>Transfer of parquet file from Spark to Hive

>>Perform Hive analytics on sales and customer data

>>Code Files and End Notes

>>Conclude the project

>>Assignments & External Resources