WELCOME TO
REFONTE LEARNING

We are a leading FinTech company specializing in data analytic. We're excited to unveil our newest data analytic cohort, representing our continuous efforts since 2016 to develop a cutting-edge scientific trading robot based on Artificial Intelligence for the crypto-currency futures market.

REFONTE INTERNATIONAL TRAINING AND INTERNSHIP PROGRAM (RITIP)

Our programs span across various sectors, affording you exposure to a wide array of opportunities within your chosen field. Armed with hands-on experience and a robust professional network, you'll be poised for a fulfilling career.

At Refonte Learning, we are committed to transforming the education-to-employment journey. Our virtual internship initiative serves as a conduit to practical experience, empowering you to acquire essential skills and industry insights in a remote environment.

Program Eligibility Criteria and Application Process

Eligibility Criteria:

- Currently pursuing a Bachelor's degree or any higher qualification.
- Weekly Time Commitment: 12-14 hours per week.
- Duration: 3 months.

STEP 1
Register

Sign up and apply to the course/program you're interested In.

STEP 2
Pay

Pay the course fees to enroll and secure your spot.

STEP 3
Start Learning

Your learning journey begins immediately with the next upcoming cohort!.

Key Distinctive Program Features

Program Certificate

Certificate of Program Completion issued by Refonte Learning

Top Instructors

Expert-led Data Engineering Masterclasses

Capstone Project

Acquire practical experience through a capstone project.

Career Service

Refonte Career Services aids in elevating your visibility to hiring firms.

Sandboxed Labs

Accessing integrated labs through Refonte's LMS.

Connect with an Admission Counselor

We offer a team of committed admission counselors ready to assist you throughout the application process and address any related inquiries. They are available to:

- Respond to inquiries regarding the application.
- Aid in resolving your queries.
- Facilitate understanding of the program.

Learning Path Visualization

01   **Big Data Hadoop and Spark Developer Course**

02   **AWS Technical Essentials Course**

03   **Big Data on AWS Course**

04   **Azure Fundamentals Course**

05   **Azure Data Engineer Course**

06   **Data Engineer Capstone Project**

Program Certificate

Who should Enroll in the Program?

This program warmly welcomes graduates and professionals from various fields and backgrounds, as long as they possess a fundamental grasp of programming. Our inclusive ethos encourages vibrant class discussions and interactions, enriched by the diverse perspectives of our students.

Data engineers play a crucial role in constructing and overseeing data structures and architectures for large-scale, data-driven applications. It presents an attractive career avenue for individuals of all levels of experience who harbor a passion for data. This encompasses:

- IT professionals
- Database administrators
- Novices in the realm of data engineering
- Business Intelligence (BI) Developers
- Data science practitioners aiming to broaden their expertise
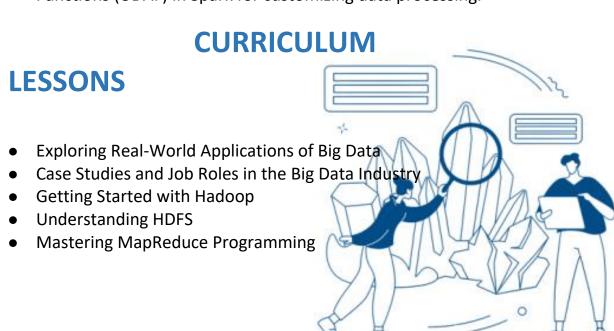- Undergraduate and postgraduate students

Big Data Hadoop and Spark Developer Course

This course focuses on developing expertise in Big Data Hadoop and Spark, providing a thorough understanding of the Hadoop framework, core Big Data principles, and essential tools within the Hadoop ecosystem. Participants will explore key components such as HDFS, YARN, MapReduce, Hive, Pig, HBase, Spark, Flume, and Sqoop, alongside additional concepts vital for navigating the Big Data processing lifecycle.

Key Learning Objectives:

- Attain proficiency in navigating the Hadoop ecosystem and optimizing its utilization.
- Master data ingestion techniques using Sqoop, Flume, and Kafka.
- Apply advanced concepts like partitioning, bucketing, and indexing in Hive.
- Effectively utilize RDDs (Resilient Distributed Datasets) in Apache Spark for data processing.
- Seamlessly handle real-time streaming data.
- Perform DataFrame operations in Spark using SQL queries.
- Implement User-Defined Functions (UDF) and User-Defined Attribute Functions (UDAF) in Spark for customizing data processing.

CURRICULUM

LESSONS

- Exploring Real-World Applications of Big Data
- Case Studies and Job Roles in the Big Data Industry
- Getting Started with Hadoop
- Understanding HDFS
- Mastering MapReduce Programming

AWS Technical Essentials Course

The AWS Technical Essentials course is designed to provide you with essential skills for effectively navigating the AWS management console. You will learn crucial aspects of AWS security measures, storage solutions, and database options, while also gaining expertise in pivotal web services such as RDS (Relational Database Service) and EBS (Elastic Block Store). By the conclusion of this course, you will be proficient in identifying and efficiently utilizing AWS services.

Key Learning Objectives:

- Grasping fundamental concepts of the AWS platform and cloud computing.
- Identifying AWS concepts, terminologies, benefits, and deployment options tailored to meet specific business requirements.
- Understanding deployment and network options available within AWS.

CURRICULUM
LESSONS

- Introduction to Cloud Computing
- Introduction to AWS
- Storage and Content Delivery
- Compute Services and Networking
- AWS Managed Services and Databases
- Deployment and Management
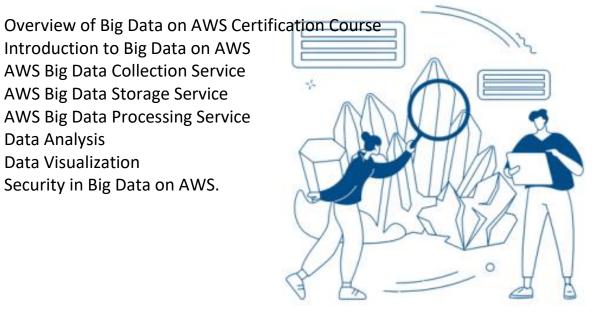
Big Data on AWS Course

The Big Data on AWS course offers a comprehensive understanding of how to utilize the Amazon Web Services cloud platform for various Big Data tasks. Participants will explore topics such as Kinesis Analytics, AWS Big Data storage, processing, analysis, visualization, and security services, including EMR, AWS Lambda, Glue, and machine learning algorithms.

Key Learning Objectives:

- Master the use of Amazon EMR for processing data using tools from the Hadoop ecosystem.
- Develop proficiency in utilizing Amazon Kinesis for real-time Big Data processing, analysis, and data transformation through Kinesis Streams.
- Learn effective data visualization techniques and query execution using Amazon QuickSight.

CURRICULUM
LESSONS

- Overview of Big Data on AWS Certification Course
- Introduction to Big Data on AWS
- AWS Big Data Collection Service
- AWS Big Data Storage Service
- AWS Big Data Processing Service
- Data Analysis
- Data Visualization
- Security in Big Data on AWS.

Azure Fundamentals Course

The Azure Fundamentals course delves into the foundational principles of cloud computing and their application within the Microsoft Azure environment. Participants will explore various Azure services, with a focus on aspects such as security, privacy, compliance, trust, pricing, and support. Throughout the course, attendees will learn to create common Azure services like virtual machines, web apps, SQL databases, and harness features of Azure Active Directory, including integration with on-premises Active Directory.

Key Learning Objectives:

- Gain insights into Azure storage and develop Azure web apps.
- Deploy databases effectively within the Azure environment.
- Understand Azure Active Directory, cloud computing concepts, Azure infrastructure, and subscription models.
- Master the creation and configuration of virtual machines in Microsoft Azure.

CURRICULUM

LESSONS

- Cloud Concepts
- Core Azure Services
- Security, Privacy, Compliance, and Trust
- Azure Pricing and Support

Azure Data Engineer Course

In the Azure Data Engineer course, the primary focus is on implementing solutions related to data. This includes provisioning data storage services, ingesting both streaming and batch data, transforming data, ensuring security requirements are met, implementing data retention policies, identifying performance bottlenecks, and accessing external data sources.

Key Learning Objectives:

- Implement various data storage solutions utilizing Azure SQL Database, Azure Synapse Analytics, Azure Data Lake Storage, Azure Data Factory, Azure Stream Analytics, and Azure Databricks services.
- Develop solutions for both batch processing and streaming data.
- Monitor data storage and data processing activities effectively.
- Optimize Azure data solutions to enhance performance and efficiency.

CURRICULUM
LESSONS

- Design and implement data storage
- Design and develop data processing
- Design and implement data security
- Monitor and optimize:
    - data storage and data processing

Data Engineer Capstone Project

The data engineering capstone project offers you the opportunity to apply the skills acquired throughout the program. With dedicated mentoring sessions, you'll address a real-world data engineering challenge aligned with industry standards. From configuring setups to performing ETL (Extract, Transform, Load), data streaming, analysis, and visualization, this project serves as the culmination of your learning journey. It's a chance to showcase your expertise in data engineering to potential employers. You can choose to work on projects spanning various domains such as ecommerce, BFSI (Banking, Financial Services, and Insurance), or video sharing, ensuring your practice remains relevant to industry needs.

Enroll Now