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netsui

100% JOB ABSORPTION TRAINING PROGRAM

ADVANCED DATA ENGINEERING PROGRAM

CERTIFIED OFFLINE COURSE

INTERNATIONAL PROJECT

EXPERT TRAINERS

www.netsuilabs.in

ABOUT US

Netsui Labs - Pioneers in Advanced Embedded Systems and Analytics Training

Established as a premier institute with over 12 years of rich experience, Netsui Labs stands at the forefront of providing unparalleled training in Advanced Embedded Systems and Analytics in Chennai. Our legacy is built on a commitment to excellence, practical knowledge, and fostering career growth for individuals aspiring to make their mark in the dynamic IT industry.

100% ABSORPTION INTO ZESTLOGICS

Netsui Labs takes pride in announcing a ground-breaking "100% Absorption" into its parent company, Zestlogic Systems. Thus ensuring 100% employment for the candidates. Aligned with our vision of empowering individuals with practical knowledge, Zestlogic facilitates a transition into the IT field, offering opportunities for career growth and success. This approach ensures that Netsui Labs candidates have a direct career path with Zestlogic Systems.

FEATURES

TRAINING & MENTORSHIPS BY INDUSTRY EXPERTS

COURSE COMPLETION CERTIFICATE

INTERNATIONAL PROJECTS

WELL-EQUIPPED LABS

INTERACTIVE LEARNING

COMPREHENSIVE CURRICULUM

100% JOB GUARENTEED

EXPERIENCE WITH REAL-TIME INDUSTRY PROJECTS

4 MONTHS OFFLINE SESSIONS

ABOUT THE PROGRAM

Our Advanced Data Engineering Training Program, designed for passionate individuals seeking to enhance their skills in building and managing robust data systems.

This program covers diverse data infrastructure, including databases, warehousing, and efficient processing with tools like Apache Spark. Participants master building data pipelines, ensuring reliability, and integrating big data technologies.

Emphasizing real-world applications, hands-on projects allow immediate application of skills in industry-relevant scenarios. Hands-on projects apply skills in real-world scenarios. Graduates gain expertise in databases, data processing, robust architecture, and effective big data integration.
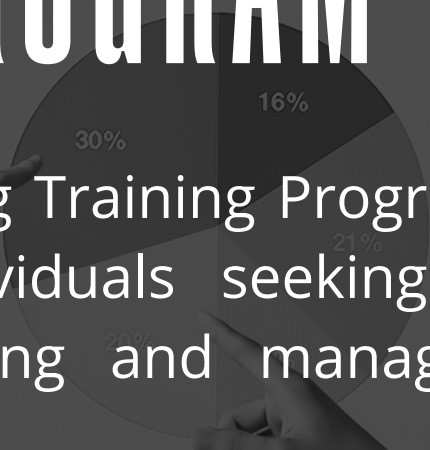
KEY TOOLS

MODULES

DATA INTEGRATION TOOLS

- **Apache NiFi:** An open-source data integration tool for moving data between systems.
- **Apache Kafka:** A distributed streaming platform for data integration.
- **Talend:** An open-source ETL tool for data integration and transformation.

DATA STORAGE AND DATABASES

- **Amazon S3:** Amazon's cloud storage service for object storage.
- **Hadoop Distributed File System:** A distributed file system for big data storage.
- **Apache Cassandra:** A NoSQL database for high-scale, fault-tolerant data storage.
- **Apache Spark:** A fast and general-purpose cluster computing system with data storage capabilities.

DATA PROCESSING AND TRANSFORMATION TOOLS

- **Apache Spark:** A powerful tool for big data processing and transformation.
- **Apache Hive:** A data warehousing infrastructure built on top of Hadoop for querying and analysis.
- **Apache Beam:** An open-source, unified model for defining both batch and stream data processing pipelines.

DATABASE QUERY LANGUAGES

- **SQL:** Structured Query Language for querying and managing relational databases.
- **NoSQL:** Databases like MongoDB and Cassandra for handling unstructured or semi-structured data.

DATA PIPELINE ORCHESTRATION TOOLS

- **Apache Airflow:** An open-source platform to programmatically author, schedule, and monitor workflows.
- **Luigi:** A Python package to build complex pipelines of batch jobs.
- **AWS Glue:** A fully managed extract, transform, and load (ETL) service.

DATA QUALITY AND PROFILING TOOLS

- **Trifacta:** A data wrangling tool for cleaning and preparing data for analysis.
- **Great Expectations:** An open-source library for data quality assessment.
- **Talend Data Quality:** A tool for data quality assessment and management.

DATA WAREHOUSING AND ANALYTICS

- **Amazon Redshift:** A data warehousing service for running complex queries on large datasets.
- **Google BigQuery:** A serverless, highly scalable data warehousing solution.
- **Snowflake:** A cloud-based data warehousing platform.

VERSION CONTROL AND COLLABORATION

- **Git:** A version control system for tracking changes in code and configuration.
- **GitLab:** A web-based Git repository manager that provides source code management and CI/CD features.
- **Apache Subversion (SVN):** A centralized version control system.