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Since 2001

24th ANNIVERSARY

MICROSOFT FABRIC

Best Training And Placement Institute

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About Version IT

Version IT is not a mere software training institute, a team of IT professionals developed it as the best knowledge centre for hundreds of career-building conscious young people. Our training academy is the best training institute in Hyderabad offering various software courses with aptly placement orientation. We proudly announce that we achieved 100% placements in every batch we have taken up in the past two decades. Version IT Academy's strength is our academic excellence with which we have been placed in the top position among the software training institute in Hyderabad.

Corporate Training

Class Room Training

Online Training

Why Choose Us!

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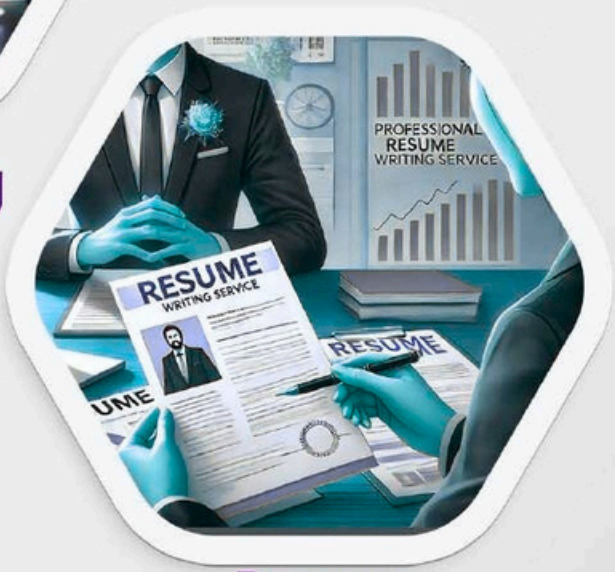
Training By Certified Instuctors

Mock Interviews

Weekly Assignments

Project Training

Interview Cracking tips



Resume Preparation

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DATA Science - Course Curriculum

Module 1: Introduction to Microsoft Fabric

Goal: Understand Fabric platform and setup

- What is Data?
- What is Big data?
- How Data Getting generated?
- Why Data Engineering is required?
- What is Microsoft Fabric?
- Why Microsoft Fabric?
- Fabric Benefits and Feature
- Fabric Components
- Fabric signup & workspace creation
- Unified developer experience

Module 2: LakeHouse

Goal: Explore One Lake architecture and build Lake House

- One Lake overview
- Understanding Fabric Workspaces
- Workspace roles in Microsoft Fabric
- Creating a Lake house
- What is inside Lake house?
- Uploading data to Lake house
- Uploading Folder into Lakehouse
- SQL analytics endpoint in Lakehouse
- Access SQL analytics endpoint using SSMS
- Visual Query in SQL endpoint
- OneLake File Explorer
- Using Dataflow Gen2
- SQL analytics endpoint

Module 3: Data Warehousing

Goal: Create and manage structured warehouses

· What is a data warehouse?
· Creating warehouse & tables
· INSERT, UPDATE, ALTER operations
· Calculated columns & schema updates
· COPY INTO command
· Referencing LakeHouse SQL endpoints
· Cloning tables
· Modifying semantic models for reporting

Module 4: Data Pipeline

Goal: Build and manage data pipelines

· Fabric Data Pipeline UI
· Ways to load data into Lakehouse
· Gateway types in Microsoft Fabric
· Installing On-prem data gateway
· Create Connection to SQL Server
· Pipeline to ingest OnPrem SQL data to Lakehouse
· Dataflow Gen2 - Intro
· Creating DataFlow Gen2

Module 5: SQL Prerequisites

Goal: Learn SQL for querying structured data

· SELECT, WHERE, ORDER BY, GROUP BY
· JOINs: INNER, LEFT, RIGHT, FULL
· Aggregations: COUNT, SUM, AVG, MAX, MIN
· Subqueries
· INSERT, UPDATE, DELETE
· CREATE TABLE & ALTER TABLE
· SQL functions & expressions
· Views & indexing

Module 6: Python Prerequisites

Goal: Build foundational Python skills for data engineering

- Python Introduction
- Variables
- Data types
- List
- Tuple
- Dict
- Control flow (if, for, while)
- String Operations
- List Operations
- Custom Functions
- Lambda Functions

Module 7: PySpark Essentials with Fabric Notebook

Goal: Use PySpark for scalable data engineering

- Spark architecture & execution model
- Creating SparkSession
- Reading data (CSV, Parquet, Delta)
- Narrow Transformations
- Wide Transformations
- DAG
- DataFrame operations: select, filter, groupBy
- Defining schema manually
- Joins & aggregations
- Writing data to Delta Lake
- SparkSQL & temporary views

Module 8: Power BI & Semantic Models

Goal: Build semantic models and visualize data

- Semantic model concepts
- Creating models & measures
- Connecting Power BI Desktop to Fabric
- Auto-create reports
- Creating & updating Power BI apps
- Using SQL endpoint for reporting

Module 9: Real-Time Analytics

Goal: Ingest and process streaming data

- **Basics of Real-Time Analytics**
- **Creating KQL databases**
- **KQL syntax: filtering, grouping**
- **Visualizing data**
- **Connecting KQL to Power BI**

Module 10: Real-Time Project

Goal: To make understand real world project

- **Data Discovery**
- **Control table and its entries**
- **Creating Model**
- **Data Ingestion**
- **Data Transformation**
- **Orchestration**
- **Scheduling**

Our Alumni Work At

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Our Other Courses

Development Technologies

- Java Full stack
- Python Full stack
- .Net Full stack
- MERN
- MEAN
- React

Cloud Technologies

- aws
- Azure
- GCP
- Dev Ops
- Salesforce
- servicenow

Triending Technologies

- Data Science
- Data Analytics
- Cyber Security
- Azure Data Engineer
- Aws Data Engineer
- GCP Data Engineer

Our Infrastructure

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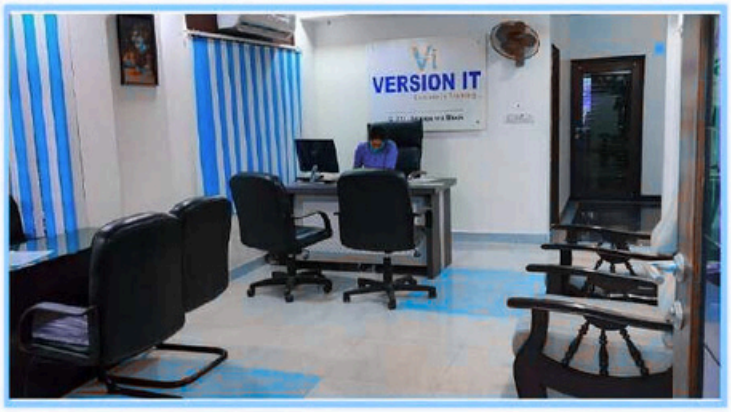

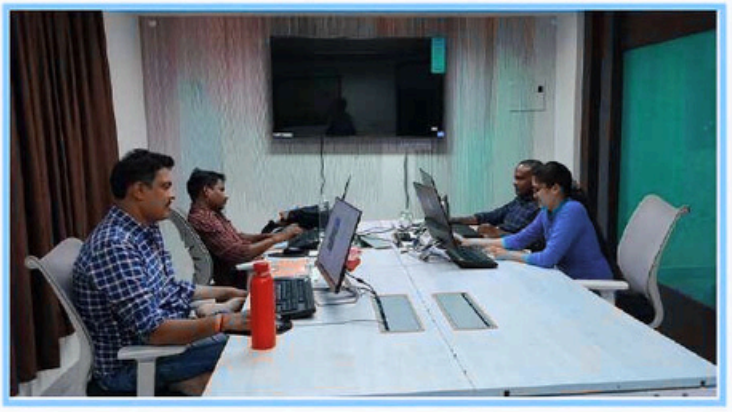

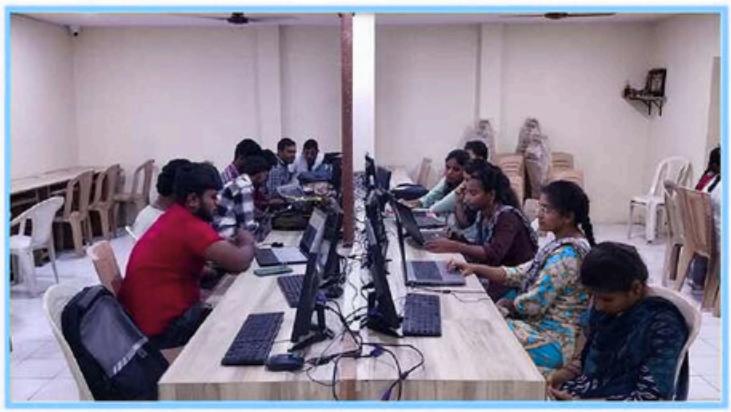

Our Branches

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