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DATA ANALYTICS

X SQL python Power BI

Duration: 90 Days

OUR SERVICE

- ✓ Training end to end & job succour
- ✓ Project-Based Learning (PBL)
- ✓ Use Case-Driven Teaching
- ✓ Blended Learning (Live + Self-Paced)
- ✓ Scenario Based Interview Questions
- ✓ Domain+Chat GPT Training

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DATA ENGINEER

SQL Azure Data Factory PySpark python Azure Data Lake Storage databricks K

Duration: 100 Days

OUR SERVICE

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databricks

Databricks Training Content Outline

1. Introduction to Databricks

- What is Databricks?
- Key Features and Benefits
- Use Cases of Databricks

2. Setting Up Databricks

- Creating a Databricks Account
- Navigating the User Interface
- Important Components (Workspaces, Clusters, Notebooks)

3. Basics of Apache Spark

- Introduction to Apache Spark
- Spark Architecture
- Spark Components (RDDs, DataFrames, Datasets)

4. Working with Notebooks

- Creating and Managing Notebooks
- Markdown and Code Cells
- Visualizing Data in Notebooks

5. Data Management

- Connecting to Data Sources (Databases, Data Lakes)
- Reading and Writing Data (CSV, Parquet, Delta Lake)
- Data Ingestion Techniques

6. Data Analysis and Manipulation

- Basic DataFrame Operations
- Advanced DataFrame Functions
- Data Cleaning and Transformation

7. Machine Learning with Databricks

- Introduction to MLlib
- Building and Training Models
- Evaluating Model Performance

8. Jobs in Databricks

- Introduction to Databricks Jobs
- Creating and Managing Jobs
- Scheduling and Monitoring Jobs
- Integrating Jobs with Notebooks and Workflows

9. Advanced Spark Concepts

- Spark SQL
- Performance Tuning
- Managing Partitions and Caching

10. Collaboration and Sharing

- Sharing Notebooks
- Using Libraries and APIs
- Collaboration Best Practices

11. Real-World Applications and Projects

- Case Studies
- Hands-On Projects
- Best Practices and Tips

12. Conclusion

- Recap of Key Learnings
- Next Steps and Resources