



iUniversity
BY IYDA

Executive Certificate in Data Engineering & Cloud Analytics

iUniversity by IYDA

Duration	5 Months
Learning Hours	180 Hours
Mode	Online / Offline / Hybrid
Eligibility	Graduate / Final Year Students / Working Professionals
Level	Beginners to Advanced
Certification	Executive Certificate from iUniversity by IYDA

Module 1: Foundations of Data Engineering

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 2: Python for Data Processing

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 3: Advanced SQL and Database Management

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 4: Data Warehousing and ETL Concepts

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 5: Big Data Ecosystem and Hadoop

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 6: Apache Spark for Analytics

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 7: Cloud Data Engineering with AWS

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 8: Data Pipelines and Workflow Automation

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 9: Data Visualization and Analytics

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 10: Cloud Security and Governance

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 11: DataOps and Performance Optimization

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Module 12: Capstone Project and Industry Case Studies

Hands-on learning through practical assignments, cloud labs, and real-world projects.

Tools & Technologies Covered:

- Python
- SQL
- MySQL
- Apache Spark
- Hadoop
- AWS
- Apache Airflow
- Power BI
- Tableau
- Git
- GitHub

Career Opportunities:

- Data Engineer
- Cloud Analytics Engineer
- Big Data Developer
- ETL Developer
- Data Analyst
- Cloud Data Specialist
- Analytics Engineer