

PROFESSIONAL CERTIFICATE IN DATA ENGINEERING

Training Modules

Module 1: Introduction to Python

Module 2: Python: Introduction to NumPy

Module 3: Python: pandas

Module 4: Databases: SQL

Module 5: Databases: Basic SQL Statements

Module 6: Database Analysis and the Client–Server Interface

Module 7: A Model to Predict Housing Prices

Module 8: ETL, Analysis, and Visualization

Module 9: GitHub and Advanced Python Functions

Module 10: Software Engineering Basics

Module 11: Basics of Client–Server Architecture

Module 12: Types of Databases and Database Containerization

Module 13: CDC

Module 14: Java and Debezium

Module 15: Using Advanced Python Programming to Create Web Applications

Module 16: Transit Data and Application Programming Interfaces (APIs)

Module 17: Performing ETL Using NiFi

Module 18: Platforms for Handling Big Data

Module 19: Processing Big Data with Spark and Airflow

Module 20: Introduction to ML and Advanced Probability

Module 21: Introduction to Reinforcement Learning and Deep Neural Networks

Module 22: Processing and Streaming Big Data

Module 23: Creating a Data Pipeline

Module 24: Handling Big Data with Mosquitto, ThingsBoard, and Kafka