5 Courses

Introduction to Data Engineering

Python for Data Science, AI & Development

Python Project for Data Engineering

Introduction to Relational Databases (RDBMS)

Databases and SQL for Data Science with Python

Dec 24, 2025

MENGYI SHI

has successfully completed the online Specialization

Data Engineering Foundations

The earner of this certificate has demonstrated mastery of fundamental skills required for Data Engineering, including a working knowledge of the data ecosystem and lifecyle, Python programming language, working with different types of data files, using libraries such as Pandas and Numpy, invoking APIs, webscraping, performing basic ETL, and working with SQL and relational databases. The individual has hands-on practice and completed several projects working with data in multiple formats, transforming and loading and using multiple databases and tools from within the Data Engineering discipline, and using SQL to query real world datasets. The learner is now armed with the skills and knowledge to start tackling foundational level Data Engineering problems and challenges.

Antonio Cangiano

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Director, IBM Skills Network

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