

Introduction to Data Engineering

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Basics of Computer Networking

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Linux and Shell Scripting

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Python for Data Engineering

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Apache Hadoop and HDFS

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Data Lakes

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Database Management Systems (DBMS and RDBMS)

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NoSQL and MongoDB

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Cloud Services for Data Engineering

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Docker and Kubernetes

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ETL Modeling

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Apache Spark and PySpark

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Data Migration Tools

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Real-Time Data Pipelines

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Capstone Projects and Case Studies

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