Youtube

https://www.youtube.com/@DarshilParmar

1. Building Data Model and Writing ETL Job - <https://lnkd.in/dQSm-d_k>  
  
Data modeling is an essential part of Data Engineering, DO NOT SKIP THIS!!!  
  
What will you learn?  
✅ Python  
✅ SQL  
✅ Building Data Models  
✅ Basics of DBMS  
✅ Writing ETL Job  
✅ Querying Data Programmatically  
✅ PostgreSQL  
  
  
2. ETL Pipeline on AWS Cloud - <https://lnkd.in/d4iy9Dgd>  
  
If have no idea about Cloud Computing then this project is for you  
  
What will you learn?  
✅ Python  
✅ SQL  
✅ Cloud Computing Basics  
✅ AWS Services - Athena, Glue, Redshift, S3, IAM  
✅ Creating Data Pipeline  
  
3. Covid Data Analysis Project - <https://lnkd.in/d2u4tS3R>  
  
This will be your first end-to-end Data Engineering project on Covid-19 Data  
  
What will you learn?  
✅ Python  
✅ SQL  
✅ Building Data Model  
✅ AWS Services - Athena, Glue, Redshift, S3, IAM  
✅ Creating Data Pipeline  
✅ PostgreSQL  
  
  
4. YouTube Data Analysis (End-To-End Data Engineering Project) - <https://lnkd.in/dS8FwupT>  
  
This is a 3-hour long project where you will execute a complete Data Engineering project  
  
What will you learn?  
✅ Python and PySpark  
✅ SQL  
✅ How to understand the business problem  
✅ AWS Services - Athena, Glue, Redshift, S3, IAM, Lambda, Quicksight  
✅ Building Data Pipeline and Scheduling it  
  
5. Twitter Data Pipeline using Airflow - <https://lnkd.in/dkwdmPnS>  
  
If you are someone who wants to learn the basics about Airflow and how to build a data pipeline this project is for you  
  
What will you learn?  
✅ Python  
✅ Basics of Airflow  
✅ Working with Twitter Data and Package - Tweepy  
✅ Python Package - Pandas  
✅ Writing ETL job and storing data on S3  
  
6. Extract Data From Amazon Website - <https://lnkd.in/dccEasSH>  
  
Learn how to extract data from one source and build a dataset from it.  
What will you learn?  
✅ HTML Basics  
✅ Web Scraping fundamentals  
✅ Python  
✅ Packages (BeautifulSoup, Pandas, Numpy)  
✅ How to build a CSV file  
  
7. Stock Market Real-Time Data Analysis using Kafka, AWS, and Python - <https://lnkd.in/dWSjqcFf>  
  
What will you learn?  
✅ Build a Real-Time simulation app using Python  
✅ Understand the basics of Kafka (Broker, Producer, Consumer, Zookeeper, and many more)  
✅ How install Kafka on EC2 (or any VM)  
✅ Write Producer and Consumer code in Python  
✅ Generate a real-time streaming pipeline and store data in S3  
✅ Analyze Data in Real-Time using Athena  
  
Credit [Darshil Parmar](https://www.linkedin.com/in/ACoAAB5QzkIB7H3vliuE1puA21D60J9uTPkTMpw) for this Amazing Post !! This Guy is Doing a Amazing Job for the DE Folks out there !!  
  
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