Data Engineering Roadmap with Learning Resources

Data Engineering Roadmap

Step One
Start with Python

Step Two
Learn Databases

Step Three
Learn Data ETL Pipelines

Step Four
Learn Machine Learning

Step Five
Learn Big Data Tools

Step Six
Learn Cloud Computing

Best Recourses to Learn Python:

- **Python Full Course by Tech with Tim (Youtube)**

- **Introduction to Python Programming by Udacity (Free Course)**

- **Think Python (Book)**

Best Recourses to Learn Data ETL Pipelines

- **Data Pipelines Pocket Reference (Book)**

- **ETL in Python Course by Datacamp**

- **ETL and Data Pipelines with Shell, Airflow and Kafka by IBM at Coursera**

Best Recourses to Learn Databases:

- SQL for Data Scientists (Book)

- SQL Tutorial by FreeCodeCamp (Youtube)

- Seven NoSQL Databases in a Week (Book)

Best Resources to Learn Cloud Computing

- **Introduction to Cloud Computing by Udacity (Free Course)**

- **Introduction to Cloud Computing by IBM at Coursera**

- **Learning AWS - Second Edition (Book)**

Best Recourses to Learn Machine Learning:

- **Hands-on Machine Learning with Scikit-learn, Keras, & Tensorflow (Book)**

- **Machine Learning Crash Course by Google Developers**

- **Mastering Machine Learning Algorithms (Book)**

Best Recourses to Learn Data ETL Pipelines

- **Data Pipelines Pocket Reference (Book)**

- **ETL in Python Course by Datacamp**

- **ETL and Data Pipelines with Shell, Airflow and Kafka by IBM at Coursera**

Essential Big Data Tools:

- **Apache Hadoop**
- **Apache Spark**
- **Apache Kafka**
- **Apache Airflow**
- **MongoDB**

I hope it was helpful

follow for more!

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