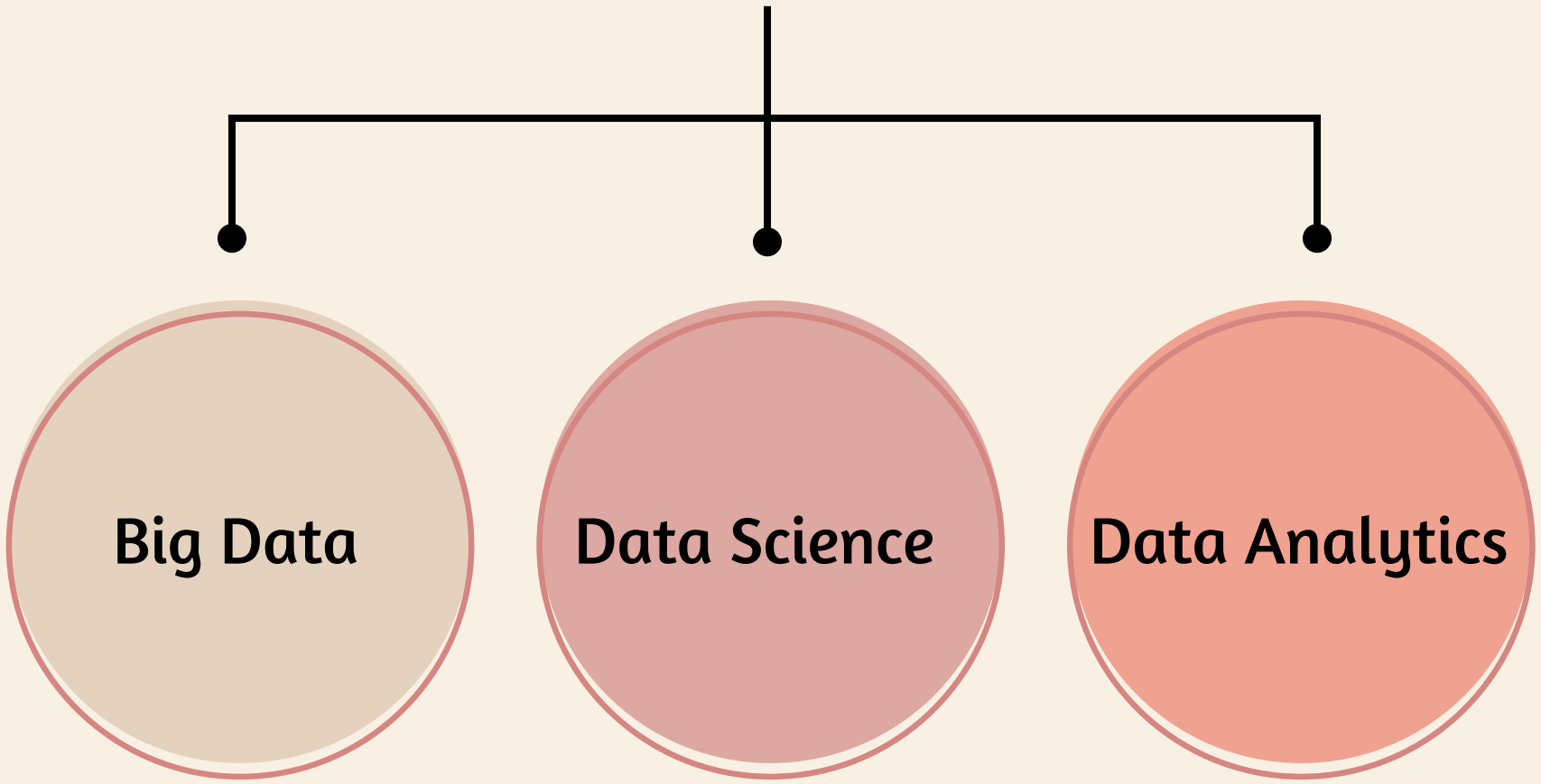
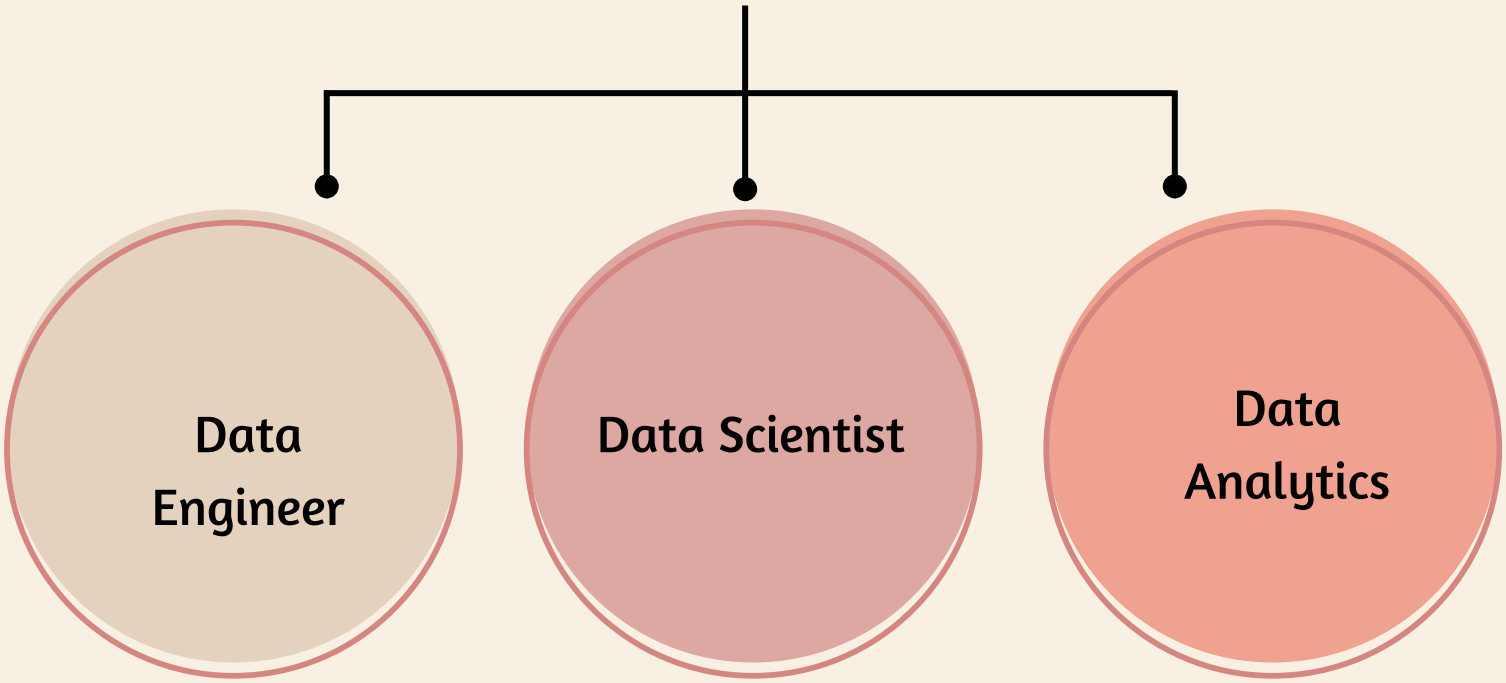
Data Industry



Skills Required



- (Java , Scala ,Python)
- DSA
- SQL
- Hadoop
- Hive
- HBase
- Spark
- Kafka
- Oozie
- Sqoop
- Coud (AWS, Azure. GCP)
- OPS (Operations)
- Zookeeper
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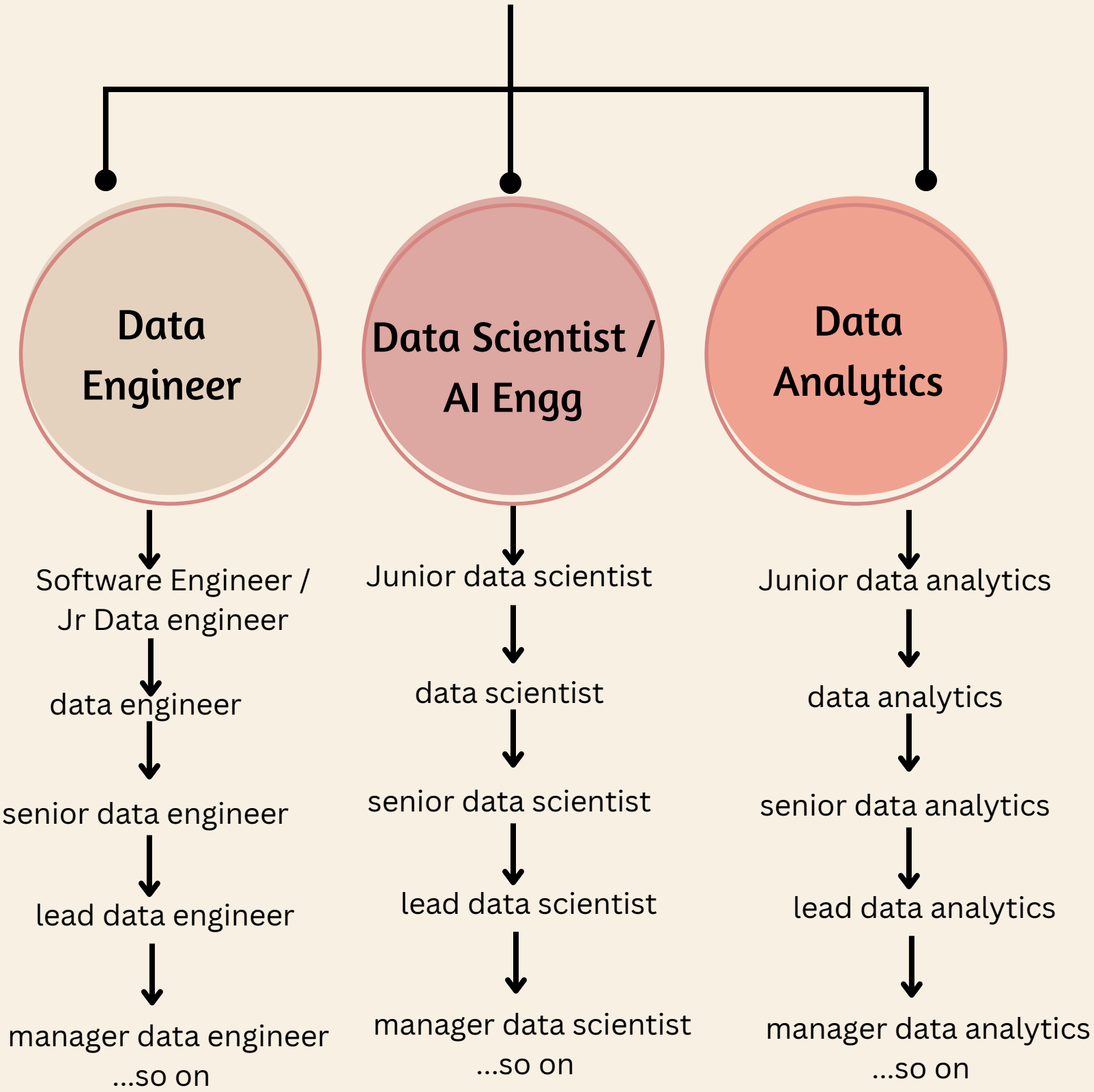
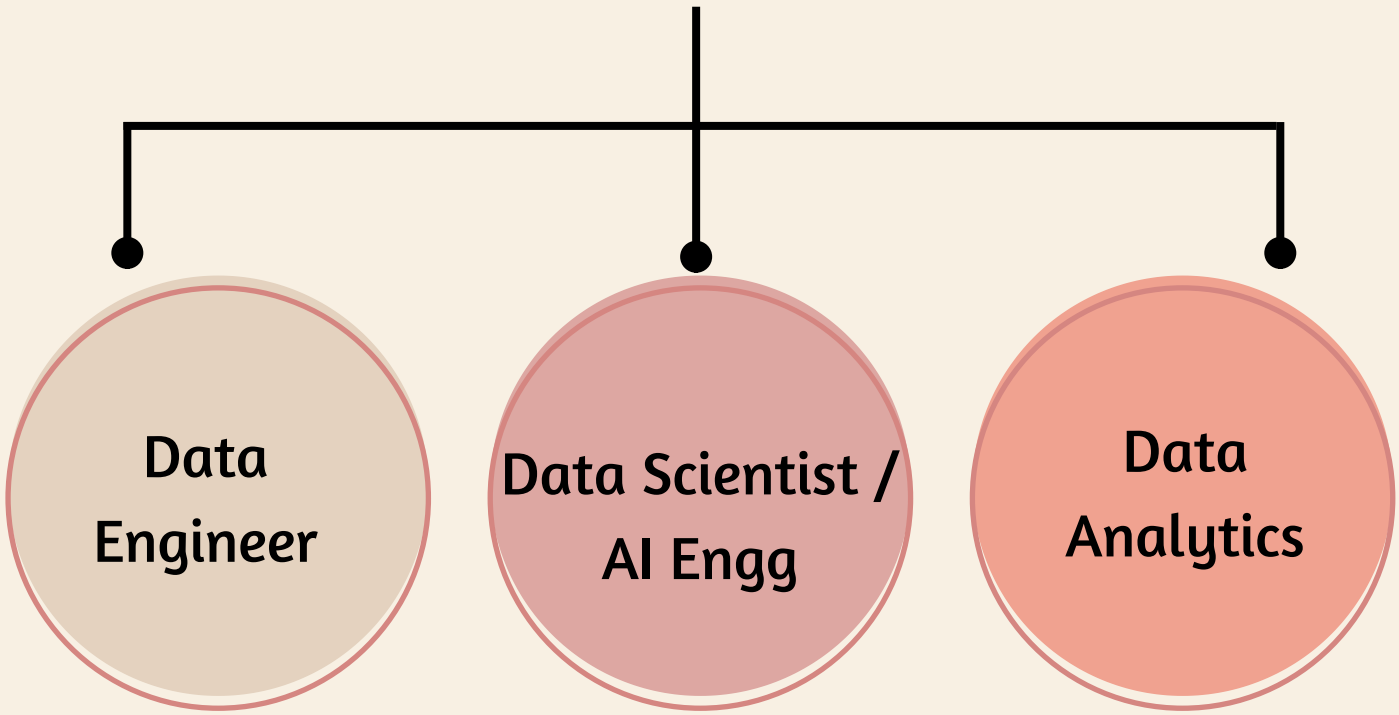
- Python / R
- DSA
- SQL
- Maths
- Machine Learning
- Deep Learning
- Computer Vision
- NLP
- Ops
- Cloud (AWS,Azure,GCP)

- SQL
- Python
- Dashboard (Power Bi, Tableau)
- Excel (must)
- Statistics
- ML (Overview)

Career Paths



What should I choose ?



Data engineers are responsible for the initial layer of data processing. They collect data from various sources (such as servers, websites, systems, etc.) and create pipelines to perform ETL (Extract, Transform, Load) processes. After extracting the data from different sources, they perform transformations and finally load it into databases such as Oracle, MySQL, etc.

If you are interested in collecting data, working with big data technologies, and databases, then a career in data engineering is suitable for you.

Once the data is collected, **data scientists** take over. They delve into understanding the business problem and strategize on what kinds of statistical analyses can be performed. Accordingly, they engage in tasks such as data cleaning, Exploratory Data Analysis (EDA), model building, and deployment.

If you are passionate about working with ML/DL/NLP/CV technologies and can effectively communicate with cross-functional teams, then a role as a data scientist is ideal for you.

Data Analyst / Business Analyst: If you excel in communication skills, possess excellent business knowledge, and prefer to focus less on technical aspects, then a role as a data/business analyst is a good fit for you. These professionals interpret data to provide actionable insights for business decision-making.