

Data Engineer/ Senior Data Engineer/ Data Architect/ AI (ML) Engineer/ Senior AI (ML) Engineer



IN 3-5
YEARS



Job holders will leverage AI in data pipeline building and model testing, and will need to familiarise themselves with cloud solutions to perform their tasks in a cloud-based environment.

KEY TRENDS



AI &
Analytics



Cloud
Computing



FUTURE TASK-LEVEL VIEW

- AI will support job holders in monitoring data loading and automating the processing of data
- With the rise of cloud storage and processing, job holders will need to keep abreast of the latest cloud solutions to perform their tasks such as connecting business systems to cloud-based data sources
- AI will support job holders in AI/ML model evaluation by leveraging data and algorithms to generate test cases, and allowing job holders to focus more on scaling and improving AI/ML models

SKILLS ANALYSIS

CURRENT SKILLS GAP

- Data Ethics
- Data Governance
- Security Architecture
- Transdisciplinary Thinking

ADDITIONAL FUTURE SKILLS

- Cloud Computing
- Creative Thinking
- Problem Solving

