Industry 4.0 job roles in demand

Digitalisation and automation job roles

Machine Learning Engineer

Job Description

Responsible for building, deploying and optimising machine learning algorithms and solutions to meet the predictive goals of the business

Key Responsibilities

- Build machine learning algorithms based on data science models
- Create, research and utilise machine learning opportunities to aid the **businesses automation and predictive goals**
- Develop processes and tools to **monitor and analyse** model performance and data accuracy
- Assess the **effectiveness and accuracy** of new data sources and data gathering techniques
- Provide **subject matter expertise** to operations teams

SKILLS AND OTHER REQUIREMENTS

- **Query languages:** SQL, HIVE etc.
- **Distributed data/computing tools:** MapReduce, Hadoop, Hive, Spark etc.
- **Machine learning algorithm:** Able to develop algorithm and statics with regression, simulation, modelling, clustering, decision trees and neural networks
- **AI/machine learning techniques:** Good knowledge on clustering, decision tree learning and artificial neural networks
- **Big data tools:** Spark, Hive, Hadoop etc.

COMPANIES HIRING FOR THIS JOB ROLE

- DHL
- Hualio

(The above list is not exhaustive)

Number of local job postings[1]	3
Number of global job postings[1]	2

As the logistics companies continue to automate processes and build predictive capabilities, machine learning engineer job roles are **emerging in the market**. Since this is a very **niche role**, very few companies are currently employing such talent locally and globally.

Typical education and experience requirements: Bachelor's or Master's degree in Mathematics, Computer Science, Information Management, Statistics or equivalent; At least two years relevant work experience preferred.

Key attributes: Constant learner mindset; data-driven mindset; creative thinker; complex problem-solving; strong logical, analytical and deductive capabilities.

[1] *Source: JobTech data on global and local online job postings between January 2019 and February 2020*