

Objectives of this role

- Design and develop machine learning algorithms and deep learning applications and systems for [Company X]
- Solve complex problems with multilayered data sets, and optimize existing machine learning libraries and frameworks
- Collaborate with data scientists, administrators, data analysts, data engineers, and data architects on production systems and applications
- Identify differences in data distribution that could potentially affect model performance in real-world applications
- Ensure algorithms generate accurate user recommendations
- Stay up to date with developments in the machine learning industry

Responsibilities

- Study and transform data science prototypes and apply appropriate machine learning algorithms and tools
- Run machine learning tests and experiments, and document findings and results
- Train, retrain, and monitor machine learning systems and models as needed
- Construct optimized data pipelines to feed machine learning models
- Consult with managers to determine and refine machine learning objectives

Extend existing machine learning libraries and frameworks

Skills and qualifications

- Impeccable analytical and problem-solving skills
- Extensive math and computer skills, with a deep understanding of probability, statistics, and algorithms
- In-depth knowledge of machine learning frameworks, like Keras or PyTorch
- Familiarity with data structures, data modeling, and software architecture
- Excellent time management and organizational skills
- Desire to learn