

# Machine Learning Engineer – Job Description

## Role Summary:

A Machine Learning Engineer is responsible for building, optimizing, and deploying machine learning models and data-driven systems. The role includes understanding business problems, preparing datasets, developing algorithms, and deploying models into production environments. Key Responsibilities:

- Build and deploy machine learning and deep learning models.
- Collect, clean, and preprocess data for training.
- Optimize model performance using evaluation metrics.
- Collaborate with data scientists and software engineers.
- Implement scalable ML systems using MLOps practices.
- Monitor model performance and retrain when needed.

## Required Skills:

- Strong Python programming skills.
- Knowledge of ML algorithms, deep learning, and statistics.
- Experience with TensorFlow, PyTorch, scikit-learn.
- Understanding of data pipelines and cloud platforms.
- Familiarity with MLOps tools (Docker, Kubernetes, CI/CD).

## Preferred Qualifications:

- Bachelor ' s degree in AI, Data Science, Computer Science, or related fields.
- Experience with big data tools (Spark, Hadoop).
- Experience in real-time model deployment.

## Work Environment:

Fast-paced, highly collaborative environment working with cross functional teams to build scalable AI solutions.