

Job title	<i>Machine Learning Engineer</i>
Reports to	<i>Team Lead, CEO</i>

Job purpose

Expert in machine learning to help extract value from data by building all the processes from the start: data collection, cleaning, and preprocessing, to training models and deploying them to production. Working closely with Business, Product and Business Analysts to get what are they trying to find from the data.

Duties and responsibilities

- Understanding business objectives and developing models that help to achieve them, along with metrics to track their progress
- Analyzing the ML algorithms that could be used to solve a given problem and ranking them by their success probability
- Exploring and visualizing data to gain an understanding of it, then identifying differences in data distribution that could affect performance when deploying the model in the real world
- Verifying data quality, and/or ensuring it via data cleaning
- Supervising the data acquisition process if more data is needed
- Finding available datasets online that could be used for training
- Defining validation strategies
- Defining the preprocessing or feature engineering to be done on a given dataset
- Defining data augmentation pipelines
- Training models and tuning their hyperparameters
- Analyzing the errors of the model and designing strategies to overcome them
- Deploying models to production
- Designing and developing machine learning and deep learning models and systems
- Running machine learning tests and experiments

Qualifications

- Bachelor's Degree in Computer Science, Mathematics or similar field Required; Master's degree is a plus
- Proven experience as a Machine Learning Engineer/Data Scientist or similar role
- Understanding of data structures, data modeling, and software architecture
- Deep knowledge of maths, probability, statistics, and algorithms
- Ability to write robust code in Python and/or Java, and/or R
- Familiarity with machine learning frameworks and libraries
- Outstanding analytical and problem-solving skills
- Ability to self-organize work
- Ability to work as a part of the team
- Amazon Web Services infrastructure knowledge is a plus

Working conditions

This position is 40 hours minimum, hourly, remote position. Will require the ability to work independently



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