

## Data Scientist:

- Data Collection, Pre-processing, and Analysis
- Building trainable and deployable models to address business problems

We are looking for an experienced Data Scientist to analyse large amounts of data and to provide optimal insights on a regular basis. The ideal candidate will have mathematical and statistical expertise, along with natural curiosity and a creative mind. While mining, interpreting, and cleaning our data, this person will be relied on to ask questions, connect the dots, and uncover hidden opportunities for realizing the data's full potential. As part of a team of specialists, the data scientist will "slice and dice" data using various methods and create new visions for the future.

## Objectives:

- Collaborate with product design and engineering teams to develop an understanding of needs of the organization.
- Research and devise innovative machine learning models for deployment
- Communicate findings to all stakeholders
- Keep current with technical and industry developments

## Responsibilities:

- Serve as a data scientist to identify and create new trained machine learning models that can be leveraged and deployed through our product capabilities, and work closely with the engineering team in the development of data products
- Execute analytical experiments to help solve problems across various domains and industries
- Identify relevant data sources and sets to mine for client business needs, and collect large structured and unstructured datasets and variables
- Devise and utilize algorithms and models to mine big-data stores; perform data and error analysis to improve models; clean and validate data for uniformity and accuracy
- Analyse and develop trained classification models utilizing deep Conventional Neural Networks, information extraction from structured and unstructured text documents through Natural Language Processing, using feature extraction models for object identifications through documents etc.
- Analyse data for trends and patterns, and interpret data with clear objectives in mind
- Implement analytical models in production by collaborating with software developers and machine-learning engineers

## Required skills and qualifications:

- 4-5 years of experience in data science
- Proficiency with data mining, mathematics, and statistical analysis including knowledge of statistical tests, distributions, regression, maximum likelihood estimators, etc.
- Experience with statistical programming languages like R, Python, and database query languages like SQL, Hive, Pig is desirable. (Familiarity with Scala, Java or C++ is an asset)
- Experience using business intelligence tools (e.g. Tableau) and data frameworks (e.g. Hadoop) (*added bonus*)

- Ability to work effectively in a dynamic, research-oriented group that has several concurrent projects.

## **Preferred skills and qualifications**

- Bachelor's degree (or equivalent) in statistics, applied mathematics, or related discipline
- Professional certification