



Data Scientist

Enetel Solutions is looking for an exceptional data scientist to integrate multiple systems and data sets.

This is a unique opportunity to join a new, multidisciplinary team of creative and passionate individuals destined to design and deliver new product to the market. We are focused on the company's agenda, and work on high-impact projects utilizing big data analytics and machine learning to improve our products.

This is probably the ideal situation for someone who has a formal mathematics, statistics, or physics background and is hoping to continue down a more academic path.

What you'll be doing:

You need to be able to link and mash up distinctive data sets to discover new insights. This often requires connecting different types of data sets in different forms as well as being able to work with potentially incomplete data sources and cleaning data sets to be able to use them.

You will provide insight into leading analytic practices, design and lead iterative learning and development cycles, and ultimately produce new and creative analytic solutions that will become part of our core deliverables.

You will work with cross-functional team members to identify and prioritize actionable, high-impact insights across a variety of core business areas. You will lead applied analytics initiatives that are leveraged across the breadth of our products. You will research, design, implement and validate cutting-edge algorithms to analyse diverse sources of data to achieve targeted outcomes.

As our data scientist, you will provide expertise on mathematical concepts for the broader applied analytics team and inspire the adoption of advanced analytics and data science across the entire breadth of our organization.

Who we're looking for:

You must have a Ph.D. or Master's Degree in mathematics, engineering, operations research, applied statistics, data mining, machine learning, physics or a related quantitative discipline. Also you have to have business strategy skills to build the algorithms necessary to ask the right questions and find the right answers. You must have a deep understanding of statistical and predictive modelling concepts, machine-learning approaches, clustering and classification techniques, and recommendation and optimization algorithms. You also need to be able to communicate your findings, orally and visually. You need to understand how the products are developed and even more important, as big data touches the privacy of consumers, you need to have a set of ethical responsibilities.

Apart from the skills that data scientists can learn in university, you also need to have a special set of personality traits. You need to be very curious person, who enjoy diving deep into the material to find an answer to a yet unknown question. You need to have a natural desire to go beneath the surface of a problem. You need to be thinker who can ask the right (business) questions. You need to be confident and self-secure as you more often than not will have to deal with situations where there is a lot unknown. You need to be patient as finding the unknown in massive data sets will take a lot of time and developing the algorithm to uncover new insights will often go by trial-and-error. You need to be able to see examples in totally different industries and be able to plot that on their current problem.

Of course the data scientist needs to be able to program, preferably in different programming languages such as Python, R and Matlab. They need to have an understanding of BI and experience working with large data sets in systems.

In addition, you need to be familiar with disciplines such as:

- Natural Language Processing: the interactions between computers and humans;
- Machine learning: using computers to improve as well as develop algorithms;
- Conceptual modelling: to be able to share and articulate modelling;
- Statistical analysis: to understand and work around possible limitations in models;
- Predictive modelling: most of the big data problems are towards being able to predict future outcomes;
- Hypothesis testing: being able to develop hypothesis and test them with careful experiments.

However, to be successful big data scientists should have at least some of the following capabilities:

- Strong written and verbal communication skills;
- Being able to work in a fast-paced multidisciplinary environment as in a competitive landscape new data keeps flowing in rapidly and the world is constantly changing;
- Having the ability to query databases and perform statistical analysis;
- Being able to develop or program databases;
- Being able to advice senior management in clear language about the implications of their work for the organisation;
- Having an, at least basic, understanding of how a business and strategy works;
- Being able to create examples, prototypes, demonstrations to help management better understand the work;
- Having a good understanding of design and architecture principles;
- Being able to work autonomously;
- Relevant work experience in building complex analytical processes.

If you see yourself in this position and you meet the requirements please submit your up-to-date CV to CV@enetelsolutions.com