

Data Scientist Job Description:

Organizations are increasingly using more and more data in their everyday operations. A data scientist interprets the raw data and extracts valuable meaning out of it. They then use this information to find patterns and develop solutions that an organization needs to grow and compete.

If we must define a data scientist, it would be someone who makes value out of data. Wondering what exactly constitutes the job of a data scientist? Well, no points for guessing, a day of a data scientist revolves around - as the job title suggests - data and data everywhere.

The data scientist job description involves fetching information from various sources and analyzing it to get a clear understanding of how an organization performs. The scientist uses statistical and analytical methods plus AI tools to automate specific processes within the organization and develop smart solutions to business challenges. After interpreting the data, they present the results in a clear and interesting way. The objective is to help the organization analyze trends to make better decisions. Thus, a good data scientist needs to have the right combination of technical, analytical, and communication skills.

In order to understand the data scientist role, let's first understand that the data scientist position has evolved and expanded from the data analyst job position.

Both the data analyst and data scientist organize and analyze big data within an organization. But the data scientist has the additional role of using business sense and communication skills to influence how the organization tackles business challenges.

Data scientists combine practical skills like coding and math with the ability for statistical analysis to achieve results. For instance, a data scientist working for a social networking site might analyze the types of pages users 'Like' and, based on that, decide what kind of advertisements users will see upon logging into their account.

Data Scientist Roles and Responsibilities:

- ❖ Data scientist roles and responsibilities include:
- ❖ Data mining or extracting usable data from valuable data sources
- ❖ Using machine learning tools to select features, create and optimize classifiers
- ❖ Carrying out preprocessing of structured and unstructured data
- ❖ Enhancing data collection procedures to include all relevant information for developing analytic systems
- ❖ Processing, cleansing, and validating the integrity of data to be used for analysis
- ❖ Analyzing large amounts of information to find patterns and solutions
- ❖ Developing prediction systems and machine learning algorithms
- ❖ Presenting results in a clear manner
- ❖ Propose solutions and strategies to tackle business challenges
- ❖ Collaborate with Business and IT teams
- ❖ Data Scientist Skills