Expert advice on how to build a successful career in data science, including tips on education, skills, and job searching.

Data science combines math and statistics, specialized programming, advanced analytics, artificial intelligence (AI) and machine learning with specific subject matter expertise to uncover actionable insights hidden in an organization’s data.

Data scientists are analytical experts who extract meaning from and interpret data to solve complex problems. They use industry knowledge, contextual understanding and skepticism of existing assumptions to uncover solutions to business challenges.

A data scientist’s role combines computer science, statistics and mathematics to collect and organize data from many different data sources, translate results into actionable plans and communicate their findings to their organizations.

This article will elucidate my personal opinions on how to build a successful career in data science.   
Firstly, data science is a complicated field of study as it incorporates several areas including math and statistics, specialized programming, advanced analytics, artificial intelligence (AI) and machine learning. Therefore, a data scientists will need to seek for continuous skill acquisition in all the required areas so as to expertise his/her skillset.

A Data scientist will require to embark on skill acquisition to learn the following technical concepts.

1. Machine Learning: Machine learning is the backbone of data science. Data Scientists need to have a solid grasp of ML in addition to basic knowledge of statistics.

2. Modeling: Mathematical models enable you to make quick calculations and predictions based on what you already know about the data. Modeling is also a part of Machine Learning and involves identifying which algorithm is the most suitable to solve a given problem and how to train these models.

3. Statistics: Statistics are at the core of data science. A sturdy handle on statistics can help you extract more intelligence and obtain more meaningful results.

4. Programming: Some level of programming is required to execute a successful data science project. The most common programming languages are Python, and R. Python is especially popular because it’s easy to learn, and it supports multiple libraries for data science and ML.

5. Database: A capable data scientist needs to understand how databases work, how to manage them, and how to extract data from them.

In data science, you must stay on top of skills development in order to stay ahead in your field. The field of data science and analytics is always adapting, and the problems change each time. As a result, upskilling and honing your skillset is essential to building a career as a data scientist.

Getting a job as a data scientist is not only about having the strongest skill set, it is also about meeting people within the industry who may help guide you to a great data science job. You can get better results by building relationships with other data scientists and even recruiters. Making use of social networking sites like LinkedIn, GitHub, etc and attending industry meetups can go a long way in landing your dream position as a data scientist.

Conclusion.

Data science as a filed is honed on skill acquisition as you must stay on top of skills development in order to stay ahead in your field but also there is need for leveraging connections in your network.