**Data science track:**

1. Basic computer science( includes lessons on Algorithms and Data Structures)

2. Database Management

3. Web Scraping

4. SQL for Data Science

5. Math for Data Science

6. Practical Data Science

7. Deeplearning

8. Machine Learning DevOps

9. Web development.(Optional)

**Resources:**

[Harvard computer science course:\*](https://www.edx.org/course/introduction-computer-science-harvardx-cs50x)

[Database Management](https://www.tutorialspoint.com/dbms/index.htm)

[Web scraping](https://www.tutorialspoint.com/python_web_scraping/python_web_scraping_introduction.htm)

[SQL Basics for Data Science\*](https://coursera.org/specializations/learn-sql-basics-data-science)

[Mathematics for Data Science](https://coursera.org/specializations/mathematics-for-data-science)\*

[WQU data science programme](https://www.wqu.edu/programs/data-science/)

[Deeplearning: by Andrew ng](https://coursera.org/specializations/deep-learning)\*

[Machine Learning DevOps Engineering(Preferred choice!)](https://www.udacity.com/course/machine-learning-dev-ops-engineer-nanodegree--nd0821)

OR

[Machine Learning Engineering for Production (MLOps)](https://coursera.org/specializations/machine-learning-engineering-for-production-mlops)

[Web development\*](https://www.edx.org/course/cs50s-web-programming-with-python-and-javascript)( not compulsory)

Note: *You can acquire certifications in other cloud technologies such as AWS, AZURE and GCP; the links to these cloud certifications can be found in the ‘READ\_ME” file. All other skills are necessary. Resources with an asterisk are not free, but can be taken on audit. Also try and partake in virtual internships or bootcamps*