DAYCHE
هک‌ای‌اد

1. Introduction to Data Science

2. Statistics for Data Science

3. Data Mining Process and Problem Solving

4. Python Programming

5. Applied Data Science in Python

6. Machine Learning Algorithms

7. Deep Learning Algorithms (Plus NLP & CV)

8. Use of Linux and Docker

9. Big Data Analytics

9 Courses

18 / 09 / 2023

This is to certify that

Mahdi Tadayon

has successfully completed the **Data Science program** at Dayche Academy from 06 / 2022 to 09 / 2023.

The **Data Science Program** at Dayche Academy is a comprehensive curriculum that provides participants with the project-oriented skills and tools necessary to handle real-world data science challenges. Spanning **350 hours** of education over the course of **44 educational weeks**, the program comprises four professional training steps.

In the first step, participants acquire the necessary skills for **problem-solving** methodologies, advanced statistical analysis, and the **Data Mining** process. This step sets the foundation for their future success in data science.

In the second step, participants learn **Python** programming and **GIT** version control by working with data sources, such as **SQL databases**, **APIs**, and **web scraping**. Additionally, they are taught how to use libraries, including **Pandas**, **NumPy**, **Scikit-Learn**, and others, to acquire the skills needed for data pre-processing, visualization, and modeling.

In the third step, participants delve into implementing **Machine Learning** algorithms and modern algorithms, such as **Deep Learning**. This step allows the participants to build the necessary skill-sets to work with unstructured data through practical exercises and projects on **Natural Language Processing (NLP)** and **Computer Vision**.

In the final step, participants become proficient with **Linux** and **Docker** through practical exercises. They learn about and practice on tools, such as the **MongoDB No-SQL** database, **Hive** distributed data warehouse, **Spark SQL**, and ML in **Pyspark**, which prepare them to work in big-data ecosystems.

DAYCHE knows data psychology; Congratulations on yours as a new **Daycher** in the world!

Mohammad Rouzbeh
CEO at Dayche Group

Cert ID: 12750D193-33FFED6-802FF
Verify at: https://dayche.com/certification