

# CERTIFICATE OF COMPLETION



**AMANDA OLIVEIRA MIRANDA**

completed the online course with an estimated workload of 10 hours.

Finished at July 11, 2024

 **miranda-amanda**

Course\_

## DATA VISUALIZATION: CREATING CHARTS WITH PYTHON LIBRARIES

**alura**

**Guilherme Silveira**  
Coordinator

**Paulo Silveira**  
Chief Vision Officer