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# CERTIFICATE OF COMPLETION

This certifies that

**Alan Contreras**

has completed the necessary courses of study and passed  
the necessary W3Schools' exams and is hereby declared a

**Certified Data Analyst**

with fundamental knowledge of data gathering, analysis and decision-making using Python, Pandas, NumPy, R and SQL.

Issued August 16, 2024

A handwritten signature in black ink, reading 'Thomas Thorsell-Arntsen'.

Thomas Thorsell-Arntsen  
for W3schools.com