

The logo for NobleProg, featuring the company name in a blue, sans-serif font.

**NobleProg**

The World's Local Training Provider

course completion

# CERTIFICATE

has been presented to / é concedido à

**Jakub Woliński**

for the completion of / por finalizar o curso de

**Python and Spark for Big Data  
(PySpark)**

Trainer  
Anna Kotarba

Duration  
**3 Days**

date of issue:  
**2023-06-01**

e-certificate:  
<https://cert.nobleprog.com/authenticate>  
Certificate ID: 720267  
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