

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 / wystawiono dla

**Ewelina Aderek**

for the completion of / za udział w szkoleniu

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

Trainer / Trener  
**Tomasz Zajac**

Duration / Czas trwania  
**3 Days / Dni**

date of issue / data wystawienia  
**2022-07-12**

e-certificate:  
<https://cert.nobleprog.com/authenticate>  
Certificate ID: 683567  
Authentication Code: 5b45e