

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

Ewelina Aderek

for the completion of

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

Trainer
Tomasz Zajac

Duration
3 Days

date of issue:
2022-07-12

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