

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

Jakub Woliński

for the completion of

**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
Authentication Code: 7eb65