

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

Piotr Patrzałek

for the completion of

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

Trainer
Tomasz Zajac

Venue
Gdańsk

Duration
4 Days

date of issue:
2020-01-31

e-certificate:
<https://cert.nobleprog.com/authenticate>
Certificate ID: 607443
Authentication Code: 2feb7