

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

The World's Local Training Provider

course completion

CERTIFICATE

has been presented to / wystawiono dla

Chad Patrick Calamba

for the completion of / za udział w szkoleniu

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

Trainer / Trener
Satyadhyam Chickerur

date of issue / data wystawienia
2021-03-01

Duration / Czas trwania
5 Days / Dni

e-certificate:
<https://cert.nobleprog.com/authenticate>
Certificate ID: 629975
Authentication Code: 72eaa