

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

**RAUL RAT**

for the completion of

**Python, Spark and Hadoop for Big Data**

Trainer  
Anna K.

Duration  
**3 Days**

date of issue:  
**2023-04-27**

e-certificate:  
<https://cert.nobleprog.com/authenticate>  
Certificate ID: 717331  
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