



★★★★★  
**BIG DATA  
ENGINEER**  
★★★★★

CERTIFICATE OF ACHIEVEMENT

## Spark Dataframe Transformations

This is to certify that the student has pursued studies and fulfilled all the requirements for this course

THIS CERTIFICATE IS AWARDED TO

**Roshan Kushwaha**

**TRENDY TECH**  
UPLIFT YOUR CAREER!

  
**Sumit M, CEO**

Issued: 2024-02-12

Certificate ID: tj4oiiz5nw