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**BIG DATA  
ENGINEER**  
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CERTIFICATE OF ACHIEVEMENT

## **Spark Optimizations & Performance Tuning - 2**

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: 2024-02-21

Certificate ID: smpar9e5sd