

Verified Certificate

This is to certify that

HOSAKOTA GANESH KUMARA

successfully completed and received a passing grade in

**DB0250EN: Building ETL and Data Pipelines with
Bash, Airflow and Kafka**

a course of study offered by IBM, an online learning initiative of
IBM.



A handwritten signature in black ink, appearing to read "Rav Ahuja".

Rav Ahuja

AI and Data Science Program Director

IBM

A handwritten signature in black ink, appearing to read "Yan Luo".

Yan Luo

Ph.D., Data Scientist and Developer

IBM



Verified Certificate

Issued June 8, 2024

Valid Certificate ID

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