



hereby recognizes that

BEN ZEKRI MAKREM

**Has successfully completed all requirements and is certified in:
CDOSS Big Data Machine Learning with Apache Spark**



LICENCE : CDOSS-CBDMLWAS-117401173

ISSUED : 2025-11-23

EXPIRATION : 2027-11-23

<https://cdoss.org/ben-zekri-makrem/>

GAURAV SHAH

Compliance Supervisor
Founder & Managing Partners
Arete Ventures India & USA

JEAN GABRIEL KOEHREN

General Coordinator
Data Quality Tester
Consultant HRIS – Inetum France

JÉRÔME FILIPPONE

CDOSS President
Data Project Manager
Excellium Luxembourg

YUSUF SARIGÖZ

Scientific Committee Head
Co-Founder at AI Labs
Google Developer Expert on ML

LALATENDU MISHRA

Compliance Director
Managing Director of WINVEST Ltd
India & South Africa