



hereby recognizes that

**BECHIR HAMIDI**

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



**LICENCE : CDOSS-CBDMLWAS-116401164**

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<https://cdoss.org/bechir-hamidi/>

**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