



Dec 7, 2021

AREEB SHAFQAT

has successfully completed

Unsupervised Machine Learning

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink that reads "Mark J Grover".

Mark J Grover  
Digital Content Delivery Lead  
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A handwritten signature in black ink that reads "Miguel M. Maldonado".

Miguel Maldonado  
Machine Learning Curriculum Developer  
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COURSE  
CERTIFICATE



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Coursera has confirmed the identity of this individual and their participation in the course.