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Abdullah Al Mahmood

has successfully completed

Advanced Machine Learning and Signal  
Processing

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

A handwritten signature in black ink, appearing to read 'R. Kienzler', positioned above a horizontal dotted line.

Romeo Kienzler  
Chief Data Scientist  
IBM Watson IoT

A handwritten signature in black ink, appearing to read 'N. Manchev', positioned above a horizontal dotted line.

Nikolay Manchev  
Senior Data Scientist  
IBM EMEA Data Science (2015-2019)

COURSE  
CERTIFICATE



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