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# Thomas Treml

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'.

Romeo Kienzler  
Chief Data Scientist  
IBM Watson IoT

A handwritten signature in black ink, appearing to read 'N. Manchev'.

Nikolay Manchev  
Data Scientist  
IBM EMEA Data Science

### COURSE CERTIFICATE



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