



May 28, 2021

Thomas Karsten

has successfully completed

Big Data Analysis Deep Dive

an online non-credit course authorized by Alibaba Cloud Academy and offered through
Coursera

A handwritten signature in black ink, appearing to read 'J. Pedersen'.

Jeremy Pedersen
Senior Training Specialist
Alibaba Cloud Academy

COURSE
CERTIFICATE



Verify at coursera.org/verify/NR8S43PYFFRK

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