

# UC San Diego

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HAYAT EL ALLAOUY

has successfully completed

Big Data Modeling and Management Systems

an online non-credit course authorized by University of California San Diego and offered through Coursera

COURSE  
CERTIFICATE



A handwritten signature in blue ink, reading "Ilkay Altintas".

Ilkay Altintas  
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Verify at:  
<https://coursera.org/verify/2BCY6N6EQ85L>

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