



CERTIFICATE

THIS IS ACKNOWLEDGE THAT

Thomas Ulman

HAS SUCCESSFULLY COMPLETED ALL REQUIREMENTS & CRITERIA FOR

CERTIFIED BIGDATA EXPERT®

CERTIFICATION THROUGH EXAMINATION
ADMINISTERED BY GLOBAL TECH COUNCIL.

Certificate ID: 37655505
Issued on: August 28, 2021



A handwritten signature in black ink that reads "Toshendra Sharma".

Toshendra Sharma
Executive Director, Global Tech Council