



31-Jan-2021

Umar Razzaq

has successfully completed

Applied Text Mining in Python

an online non-credit course authorized by University of Michigan and offered through
Coursera

A handwritten signature in black ink, reading 'V.G. Vinod Vydiswaran'.

V.G. Vinod Vydiswaran
Assistant Professor
School of Information

COURSE
CERTIFICATE



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