



Jun 22, 2021

Alessandro Guarnieri

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 coursera.org/verify/976A6EXJN8YE

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