



10/23/2017

Nguyen Nguyen Pham

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/C4QSJGQL3CTL
Coursera has confirmed the identity of this individual and
their participation in the course.