



06/14/2020

Pankaj Rangta

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/ABQLGHPY4M7N

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