



03/27/2020

# Volkan Karaarslan

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/RKHHMKN6RAXB](https://coursera.org/verify/RKHHMKN6RAXB)  
Coursera has confirmed the identity of this individual and  
their participation in the course.