



01/25/2020

# Harsh Singal

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/PRVSQJ95AR7R](https://coursera.org/verify/PRVSQJ95AR7R)

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