



02/16/2020

**Sisi Xie**

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/KJ5MMR5GMBMX](https://coursera.org/verify/KJ5MMR5GMBMX)

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