



Dec 4, 2020

Hiroki Utsumi

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/ETB4FZB8D36H](https://coursera.org/verify/ETB4FZB8D36H)

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