



Nov 11, 2020

# Vanessa Liang

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/JAPH5DU2UGVF](https://coursera.org/verify/JAPH5DU2UGVF)

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