



This is to certify that

VINAY DUTTA VEMULA

successfully completed and received a passing grade in

Introduction to Data Science

(DS0101EN, provided by Cognitive Class)

an online course on Cognitive Class.

December 13, 2018

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/883a9b56daa94e08a40a80a3ddd9f210