COGNITIVE CLASS.ai

An IBM Initiative

This is to certify that

Raghu M

successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by **Cognitiveclass**)

an online course on **Cognitive Class**.

February 21, 2019

Authenticity of this certificate can be validated by going to:
https://courses.cognitiveclass.ai/certificates/15f3f6c198d448d7a8358bd5640b4255

Learning Certificate of Completion

YL

This certificate is presented to

M, Raghu

for the completion of

Python for Data Science: Introduction to Pandas

(ELC-SSIT_DSPYDSDJ_03_ENUS)

According to the Learning Technologies system of record

Completion Date: 1.1

Learning Hours: https://yourlearning.ibm.com

Learning Certificate of Completion

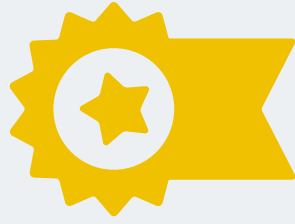This certificate is presented to

M, Raghu

for the completion of

Python for Data Science: Introduction to NumPy for Multi-dimentional Data

(ELC-SSIT_DSPYDSDJ_01_ENUS)

According to the Learning Technologies system of record

IBM Learning   Completion Certificate

This certificate is presented to

Raghu M

for the completion of

Python for Data Science Badge

(URL-15282175564728)

As indicated by this learner

Learning hours   5 hrs

Completion date: 21 Feb 2019