This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL20CS28S1228873

To
VIVEK BHAVSAR
PLOT NO. 68, GANESH COLONY, SHIVNAGRI,
BIJLINAGAR, CHINCHWAD, PUNE
CHINCHWAD, PUNE
PUNE
MAHARASHTRA - 411033
PH. NO :9130510429

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

VIVEK BHAVSAR

for passing the course

Data Science for Engineers

with Score* **82** %

Covid-19
impacted
January 2020
semester

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Mar 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

*Continuous online assessment score

To validate and check scores: https://nptel.ac.in/noc

Roll No: NPTEL20CS36S1032947

To UTKARSH BHANGALE
PLOT 529, SECTOR NO 21, KIRLOSKAR
SOCIETY, YAMUNANAGAR
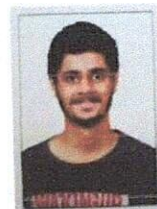NIGDI
PUNE
MAHARASHTRA - 411044
PH. NO :7719858667

No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

UTKARSH BHANGALE

for passing the course

Python for Data Science

with Score* 93 %

Covid-19
impacted
January 2020
semester

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM
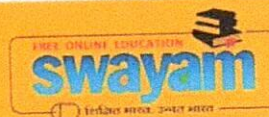
Jan-Feb 2020
(4 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

*Continuous online assessment score