

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

ROSHAN NARAYAN NAIK

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of **54** %

Online Assignments	22.92/25	Proctored Exam	30.77/75

Total number of candidates certified in this course: **2042**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL24CS45S551700016

To verify the certificate

No. of credits recommended: 2 or 3