

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS26S44481580

To
SWARNA REDDY SANGANA
FORTUNE HEIGHTS(B), PLOT NO-112
SIVAJI NAGAR, KURMANNAPALEM
VISAKHAPATNAM
ANDHRAPRADESH - 530046
PH. NO :9390096187



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

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.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SWARNA REDDY SANGANA

for successfully completing the course

**Programming, Data Structures and Algorithms
using Python**

with a consolidated score of **78** %



Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	27.5/50
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Total number of candidates certified in this course: **1600**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Mar 2022
(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



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To validate and check scores: <https://npTEL.ac.in/noc>