ELITE

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This certificate is awarded to



VATSALYA GUPTA

for successfully completing the course

PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON

with a consolidated score of **68%**

Online Assignments	18.75/25	Proctored Exam	48.75/75

Total number of candidates certified in this course: **1352**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

JUL-SEP 2026
(8 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL26CS109S172800452 To verify the certificate No. of credits recommended: 3