



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ALVIN SABU

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of **58** %

Online Assignments	25/25	Proctored Exam	32.69/75
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Total number of candidates certified in this course: **2042**

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



Roll No: NPTEL24CS45S548100383

To verify the certificate



No. of credits recommended: 2 or 3