1(a)

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: NPTEL19CS39S61653402

To
ARITRA CHAKRABORTY
1/B/34 RAMLAL AGARWALA
LANE.SINTHEE.KOLKATA-50
KOLKATA
WEST BENGAL
700050
PH. NO :9123924146

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:3
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 Ministry of HRD, Govt. of India)

This certificate is awarded to

ARITRA CHAKRABORTY

for successfully completing the course

An Introduction to Programming Through C++

with a consolidated score of   **78**   %

Online Assignments	20.75/25	Programming Exam	25/25	Proctored Exam	32.34/50

Total number of candidates certified in this course: **516**

Prof. Sridhar Iyer
Head, CDEEP & NPTEL Coordinator
IIT Bombay

Jul-Oct 2019
(12 week course)

Indian Institute of Technology Bombay

FREE ONLINE EDUCATION
swayam

Roll No: NPTEL19CS39S61653402

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