



May 6, 2020

**Aritra Hota**

has successfully completed

**The Bits and Bytes of Computer Networking**

an online non-credit course authorized by Google and offered through Coursera

***Google***

Google

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/W9U5RWFFEGVV](https://coursera.org/verify/W9U5RWFFEGVV)

Coursera has confirmed the identity of this individual and their participation in the course.

# Verified Certificate



This is to certify that

**Aritra Hota**

successfully completed and received a passing grade in

**CS213.1x: Foundations of Data Structures**

a course of study offered by IITBombayX, an online learning initiative of IIT Bombay.

**Ajit Diwan**

Professor of Computer Science & Engineering

*IIT Bombay, India*

**Ganesh Ramakrishnan**

Professor of Computer Science & Engineering

*IIT Bombay, India*

**Deepak B Phatak**

Professor of Computer Science & Engineering

*IIT Bombay, India*

**Nagesh Karmali**

Senior Manager (Research), Computer Science & Engineering

Department

*IIT Bombay, India*



**Verified Certificate**

Issued December 24, 2019

**Valid Certificate ID**

[e461d03696da48bbb185b1325d2d0b06](https://courses.edx.org/certificates/e461d03696da48bbb185b1325d2d0b06)



Aug 14, 2021

**Aritra Hota**

has successfully completed

**Operating Systems and You: Becoming a Power User**

an online non-credit course authorized by Google and offered through Coursera

**Google**

Google

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/BKAEKAQL2DH9](https://coursera.org/verify/BKAEKAQL2DH9)

Coursera has confirmed the identity of this individual and their participation in the course.



Apr 10, 2021

**Aritra Hota**

has successfully completed

**Technical Support Fundamentals**

an online non-credit course authorized by Google and offered through Coursera

**Google**

Google

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/RRBPA2XKXJGL](https://coursera.org/verify/RRBPA2XKXJGL)

Coursera has confirmed the identity of this individual and their participation in the course.



# PARTICIPATION CERTIFICATE

Organized By

CSI HIT STUDENT BRANCH



This is to certify that

Amitra Hota

of

CSE

Department,

Haldia Institute Of Technology

has participated in the

Workshop on Android App Development

organised by

CSI HIT Student Branch

during

15<sup>th</sup> Feb'19 - 17<sup>th</sup> Feb'19

Kajal Sharma

Chairman

CSI HIT Student Branch

Dr. Anwar

Branch Counselor

CSI HIT Student Branch



PARTICIPATION  
**CERTIFICATE**

Organised By  
CSI HIT Students' Branch



This is to certify that

Amitra Hota

of CSE Department,

Haldia Institute of Technology

has participated in the

Workshop on AWS, GIT and Networking

organized by

CSI HIT Students' Branch during

8th March, 2019 to 10th March, 2019.

[Signature]

Branch Counselor  
CSI HIT Students' Branch

[Signature]

Chairman  
CSI HIT Students' Branch





**adHOC NETWORKS**

Learn to discover | Stay Curious

*This is to certify that*

ARITRA HOTA

of CSE Department,

*Haldia Institute of Technology*

*has successfully attended workshop on*

*IoT using Raspberry Pi*

*held during 1st Sept, 2018 to 2nd Sept, 2018*

*Organised by*

*CSI HIT Students' Branch.*

*CSI Branch Counsellor*

*Authorized Signatory*

Roll No. : SF-IITKGP-ML047



**SPRING FEST'19**  
**IIT KHARAGPUR**

**Techbyte**  
Step in for better future

# *Certificate* **OF PARTICIPATION**

**ARITRA HOTA**

In recognition of your participation in  
2 Days Machine Learning with AI workshop  
Date : 5th and 6th January 2019  
at IIT KHARAGPUR.

*hvmittal*  
Spring Fest'19  
IIT Kharagpur

*Am*  
Techobyte  
Technologies





Organising Institute  
Indian Institute of Technology Bombay

# GATE 2021 Scorecard

Graduate Aptitude Test in Engineering (GATE)



Candidate's Details

Name

ARITRA HOTA

Parent's / Guardian's Name

PRASANTA HOTA

Registration Number

CS21S56043377

Date of Birth

29-Jan-2000

Examination Paper

Computer Science and Information Technology (CS)



Aritra Hota

(Candidate's Signature)

Performance

GATE Score

512

Marks out of 100\*

39.41

Qualifying Marks\*\*

26.1

23.4

17.4

General

EWS/OBC (NCL)

SC/ST/PwD

Number of Candidates  
Appeared in this paper

101922

All India Rank in this  
paper

4144

Valid up to 31<sup>st</sup> March 2024

\* Normalized marks for Civil Engineering (CE), Computer Science and Information Technology (CS) and Mechanical Engineering (ME) Papers.

\*\* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this scorecard.

Prof. Deepankar Choudhury

Organising Chairperson, GATE 2021  
(on behalf of NCB - GATE, for MoE)

19<sup>th</sup> March 2021



2a19e45ff354937c527fe5c355f07808

The GATE 2021 score is calculated using the formula

$$GATE\ Score = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

$M$  is the marks obtained by the candidate in the paper, mentioned on this GATE 2021 scorecard

$M_q$  is the qualifying marks for general category candidate in the paper

$\bar{M}_t$  is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_q = 350$ , is the score assigned to  $M_q$

$S_t = 900$ , is the score assigned to  $\bar{M}_t$

In the GATE 2021 score formula,  $M_q$  is 25 marks (out of 100) or  $\mu + \sigma$ , whichever is greater. Here  $\mu$  is the mean and  $\sigma$  is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2021 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

## Codes for XE and XL Paper Sections (compulsory section and any other two sections)

### XE: Engineering Sciences

- A – Engineering Mathematics (compulsory)
- B – Fluid Mechanics
- C – Materials Science
- D – Solid Mechanics
- E – Thermodynamics
- F – Polymer Science and Engineering
- G – Food Technology
- H – Atmospheric and Oceanic Sciences

### XL: Life Sciences

- P – Chemistry (compulsory)
- Q – Biochemistry
- R – Botany
- S – Microbiology
- T – Zoology
- U – Food Technology

Graduate Aptitude Test in Engineering (GATE) 2021 was organized by Indian Institute of Technology Bombay on behalf of the National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.

# Certificate

This is to certify that

***Aritra Hota***

participated in

***Digital Nurture 2021 - Workplace  
Skills to Leap Ahead***



Certificate ID: FSP/2021/9/8623484

21/09/2021

Date of issue:

Kirti Seth  
CEO

**IT-ITeS SSC NASSCOM**

Maya Sreekumar  
Vice President

**Human Resources – GenC Program - Cognizant**



# COMPUTER SOCIETY OF INDIA

CSI-HIT STUDENTS' BRANCH, HALDIA INSTITUTE OF TECHNOLOGY



## CERTIFICATE

OF COORDINATION

*This is to certify that*

*Mr. / Miss.* ARITRA HOTA *of* CSE *Department, HIT*

*has successfully coordinated the workshop on* **Front-End Web Development**

*organized by* **CSI-HIT Students' Branch** *held from*

*28<sup>th</sup> May, 2021 to 30<sup>th</sup> May, 2021.*

Dr. Subhankar Joardar  
Professor & HoD, CSE

Subhabrata Barman  
Asst. Professor &  
SBC CSI-HIT Students Branch