

## Education

<b>Jahangirnagar University</b> <i>Bachelor of Science (BSc) - Physics</i>	Dhaka Mar 2017 - Present
<b>Cantonment College</b> <i>Higher Secondary Certificate (HSC) - Science, GPA: 5.00</i>	Jessore 2014 - 2016
<b>Police Line Secondary School</b> <i>Secondary School Certificate (SSC) - Science, GPA: 5.00</i>	Jessore 2004 - 2014

## Experience

<b>Biggan Blog</b> <i>Co-Editor</i>	Mar 2021 - Present
– Checking the Physics related articles of other writers – Guiding and helping the writers with the technical issues in writings	
<i>Content Writer</i>	Jun 2016 - Present
– Writing blogs and articles especially on Physics topics in my native language – Encouraging the readers towards science and science-learning	
<b>International Astronomy and Astrophysics Competition (IAAC)</b> <i>Student Ambassador</i>	Jan 2020 - Present
– Encouraging students in Astronomy – Helping the participants in the registration process – Providing necessary guidelines for the contest	
<b>International Youth Math Challenge (IYMC)</b> <i>Student Ambassador</i>	Aug 2019 - Present
– Encouraging students in Mathematics – Helping the participants in the registration process – Providing necessary guidelines for the contest	

## Technical Skills

- Programming Languages:** C, C++, Python, R
- Operating Systems:** Windows 10, Linux (Ubuntu)
- Word Processors:** L<sup>A</sup>T<sub>E</sub>X, Microsoft Office
- Markup Language:** HTML

## Participation and Awards

### Participant (Mar 2021)

*Bangladesh Mathematical Society*

I participated in the Mathematical Olympiad of International Day of Mathematics 2021 on 14th March in virtual platform.

### Participant (Jan 2021)

*International Theoretical Physics Olympiad for Undergraduate Students*

My team (Team name: Tachyon) participated in the International Theoretical Physics Olympiad for Undergraduate Students 2021 held on 30th to 31st January.

### Accomplished Competitor (Jan 2021)

*The University Physics Competition*

My team (Team no. 194) ranked as an Accomplished Competitor on 'Problem A' in The 2020 University Physics Competition held on 7th to 9th November.

### Participant (Jan 2021)

*Society for Makers, Artists, Researchers and Technologists (SMART), USA*

I ranked 63th in the '3rd Online Maths Olympiad 2021' held on 10th January on the website page: <https://www.codechef.com/IEMATH3>

### Bronze Honour Winner (Dec 2020)

*International Youth Math Challenge*

I have achieved Bronze Honour for being placed among the top 15% of all participants in International Youth Math Challenge 2020.

### Participant (Nov 2020)

*FYKOS – Internet Physics Competition*

My team (Team name: Tachyon) has placed 88th place in category open in the 10th year of international competition in Physics 'Online Physics Brawl' held on 26th November on the internet page [physicsbrawl.org](http://physicsbrawl.org)

### Bronze Honour Winner (Jul 2020)

*International Astronomy and Astrophysics Competition*

I have achieved Bronze Honour for being placed among the top 20% of all participants in the International Astronomy and Astrophysics Competition edition of 2020.

### Participant (Apr 2020)

*International Theoretical Physics Olympiad for Undergraduate Students*

My team (Team name: Tachyon) has placed 25th position in the International Theoretical Physics Olympiad for Undergraduate Students 2020.

### Silver Medal Winner (Jan 2020)

*The University Physics Competition*

My team (Team no. 151) has been ranked as a Silver Medal Winner on 'Problem A' in The 2019 University Physics Competition.

### Bronze Honour Winner (Dec 2019)

*International Youth Math Challenge*

I have achieved Bronze Honour for being placed among the top 15% of all participants in the International Youth Math Challenge 2019.

### Participant (Nov 2019)

*Bangladesh Mathematical Society*

I have participated on the '11th Undergraduate Mathematical Olympiad (Dhaka North Region)' held on 29th November at Jahangirnagar University.

**Participant** (Nov 2019) *FYKOS – Internet Physics Competition*  
My team (Team name: Tachyon) has placed 60th place in category open in the 9th year of international competition in Physics 'Online Physics Brawl' held on 27th November on the internet page [physicsbrawl.org](http://physicsbrawl.org)

**Participant** (Apr 2019) *Islamic University of Technology*  
I have participated on the 'IUT 10th ICT Fest Math Olympiad' at Islamic University of Technology.

**Accomplished Competitor** (Jan 2019) *The University Physics Competition*  
My team (Team no. 225) has been ranked as an Accomplished Competitor on 'Problem A' in The 2018 University Physics Competition.

**Regional Prize Winner** (Nov 2018) *Bangladesh Mathematical Society*  
I achieved prize on the '10th Undergraduate Mathematical Olympiad (Dhaka North Region)' held on 9th November at Independent University. Then I have participated on the 'National Round' held on 8th December at Bangladesh University of Engineering and Technology.

**Participant** (Dec 2017) *Bangladesh Mathematical Society*  
I have participated on the '9th Undergraduate Mathematical Olympiad (Dhaka North Region)' held on 1st December at Dahaka University of Engineering and Technology.

**Participant** (Apr 2017) *Satyen Bose Science Club (SBSC)*  
I have participated on the 'SBSC National Astro Olympiad' held on 24th April at Bangladesh University of Engineering and Technology.

**Regional Prize Winner** (2012 & 2016) *Bangladesh Mathematical Olympiad Committee (BdMOC)*  
I achieved prize on the 'Regional Round' and participated on the 'National Round' of Bangladesh Mathematical Olympiad in the category Junior (in 2012) & Higher Secondary (in 2016) respectively.

**Participant** (2009 to 2015) *Bangladesh Mathematical Olympiad Committee (BdMOC)*  
I participated on the 'Regional Round' of Bangladesh Mathematical Olympiad from the year 2009 to 2015 in the respective categories.

## Additional Courses

**Python for Data Science** *Jahangirnagar University Higher Study Club (JUHSC)*  
Dec 2020

**18.031x: Introduction to Differential Equations** *edX*  
Sep 2020  
Credential ID: 0250b7436f4a424387b2c867ef43c642

**009x: Stochastic Processes: Data Analysis and Computer Simulation** *edX*  
Aug 2020  
Credential ID: 20b46f24682b40cbb3588df5018bd7e4

**Python - Anybody Can Code** *JU Computer Club*  
Jul 2020

## Mind Control: Managing Your Mental Health During COVID-19

*Coursera*

Jul 2020

Credential ID: NRLN6NTTM2MV

## Using Python to Access Web Data

*Coursera*

Jun 2020

Credential ID: FWZ7UR3TY78K

## Python Data Structure

*Coursera*

May 2020

Credential ID: 4UG6L46JPU9K

## Learning How to Learn: Powerful mental tools to help you master tough subjects

*Coursera*

May 2020

Credential ID: ZAD2N75KJNDJ

## Programming for Everybody (Getting Started with Python)

*Coursera*

May 2020

Credential ID: 8JWW876QC27A

## Projects

### Console Game: Memorize Your Move

Python

<https://github.com/rafisics/memorize-your-move>

The project 'Memorize Your Move' was assigned to me in the online course camp 'Python: Anybody Can Code' by Jahangirnagar University Computer Club.

## Workshops & Seminars

### 3rd Workshop on Classical Mechanics: Cauchy's Big Idea

*Community of Physics*

May 16-20, 2021

Participant

### Seminar on Introductory Guidelines for University Physics Competition

Oct 31, 2020

Facilitator

### 2nd Workshop on Classical Electromagnetism: Tesla's Gift

*Community of Physics*

Oct 25-29, 2020

Participant

### 3rd Workshop on Differential Equations: A Gateway to Physics

*Community of Physics*

Oct 6-9, 2019

Participant

**Workshop on L<sup>A</sup>T<sub>E</sub>X**

Apr 5, 2018

Participant

*IEEE Student Branch, Jahangirnagar University***2nd Workshop on Relativity: A Tale of Spacetime**

Feb 26 - Mar 3, 2018

Participant

*Community of Physics***2nd Workshop on Vector Calculus: A Story of Curved Space**

Sep 27 - Oct 2, 2017

Participant

*Community of Physics***Workshop on L<sup>A</sup>T<sub>E</sub>X**

Mar 31 - Apr 1, 2017

Participant

*Dhaka University Science Society*