

# Md. Jubayer Hossain

Azimpur, 7/A, Dhaka – Bangladesh

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## ACADEMIC CREDENTIALS

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- **Master of Science** [On Going]  
*Department of Microbiology, Jagannath University, Dhaka*
- **Bachelor of Science** [Jan 2015–Jan 2019]  
*Department of Microbiology, Jagannath University, Dhaka*  
*GPA: 3.15/4.00*

## WORK EXPERIENCE

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- **Lead Organizer and Instructor, Scientific Computing for Biologists** [Nov 2020 - Present]  
Introduction to Scientific Computing for Biologists is an introductory course organized by Center for Health Innovation, Research, Action and Learning–Bangladesh (CHIRAL Bangladesh). My team members and I design this course to help undergrad students interested in genomics and public health research. Here I taught the basics of Python, R programming, Biostatistics, and Bioconductor.
- **Lead Organizer and Instructor, Health Data Analytics** [July 2021 - August 2021]  
Python for Health Data Analytics is an introductory course organized by Center for Health Innovation, Research, Action and Learning–Bangladesh(CHIRAL Bangladesh).
- **Instructor, Whitehope** [July 2016 - June 2020]  
I provided comprehensive tutoring in Physics and Chemistry to the students of 10th, 11th, and 12th grade.
- **Team Member, Bio-Bio-1** [June 2017 - Jan 2019]  
I was an active participant in their weekly study circle and learned a lot from them; especially, I learned bioinformatics techniques with the help of Python.

## RESEARCH

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1. Syeda Tasneem Towhid, Ph.D, **Md. Jubayer Hossain**, Sumona Akter, Md. Atik Shariar Sammo (2020). Perception of Students on Antibiotic Resistance and Prevention: An internet-based community case study from Dhaka,Bangladesh. [Under Review]
2. Mohammad Ariful Islam, Ph.D, **Md. Jubayer Hossain**, Sumaiya Akter Mukta, Rubaiya Gulshan, Md. Sharif Miah (2021). Knowledge and Attitudes of Thalassemia among Public University Students in Bangladesh[In Preparation]
3. Mohammad Ariful Islam, Ph.D, **Md. Jubayer Hossain**,Mousumi Karmakar, Sumaiya Akter Mukta, Rubaiya Gulshan, Md. Sharif Miah (2021). Quality of Life among Bangladeshi Patients with Thalassemia using the SF-36 Questionnaire [In Preparation]
4. Md. Kamrujjaman, Ph.D, Alamgir Hossain Tanjim, **Md. Jubayer Hossain** (2021). A survey on the general concept of diabetes among students of different universities in Bangladesh. [In Preparation]
5. **Md. Jubayer Hossain**, Sumona Akter, Md. Atik Shariar Sammo, Shahid Hasan Munzur (2021). Self Management And Knowledge of Diabetic Patients in Bangladesh and the Prevalence rate of Diabetes. [In Preparation]

## KEY SKILLS

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- **Operating Systems:** Windows, Linux
- **Version Control:** Git, Github
- **Programming Languages:** Python, R, Julia, SQL
- **Statistical Software Packages:** SPSS, MS Excel
- **Survey Tools:** KoboToolBox, Google Forms
- **Typesetting and Illustrations:** L<sup>A</sup>T<sub>E</sub>X, MS Word, MS PowerPoint
- **BioStack:** Biopython, Scikit-bio, BioPandas, Biotte, RDkit

## AFFILIATIONS

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- **Founder, [Center for Health Innovation, Research, Action and Learning – Bangladesh \(CHIRAL Bangladesh\)](#)** [June 2020 - Present]  
The main focus of this group is to solve healthcare problems with the help of data in Bangladesh. The primary responsibilities include designing courses, data analysis, and team management.
- **Co-Founder, [Apon](#)** [2016 - Present]  
Apon is a non-profit blood donation platform. Primarily Apon is working for Thalassemia patients in Bangladesh.
- **Founder, [Pounopunik](#)** [Nov 2016 - Present]  
The Pounopunik is a science organization at Sreepur. This organization aims to arrange a science olympiad and other scientific events for primary, secondary, and higher secondary students.

## LINGUISTIC PROFICIENCY

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- English (Fluent Working Proficiency)
- Bangla (Native Language)

## EXTRA CURRICULAR ACTIVITIES

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- **Founding Member, [Kanthokanon](#)** [Nov 2016 - Present]  
Kanthokanon is a poetry recitation organization at Sreepur. Here I am an active member. I learned Bangla pronunciation and poem recitation. I performed in 3 programs and won 2 awards from "Victory Day Poem Recitation Competition-2014."
- **Participant, [Recitation, Presentation and News Reading Workshop](#)** [March 2013]  
Kanthobithy Magura arranged the workshop in 2013. Kanthobithy Magura is the first poetry recitation organization in Magura.

## REFERENCES

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### Syeda Tasneem Towhid, Ph.D

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