Md. Jubayer Hossain

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ACADEMIC CREDENTIALS

- **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

- **Lead Organizer and Instructor**, *Introduction to Scientific Computing for Biologists*   [Nov 2020 - Present]
  Introduction to Scientific Computing for Biologists is an introductory course organized by Health Data Research. Organization, 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.

- **Instructor**, *Whitehope Academy*   [July 2016 - June 2020]
  I have 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 and with the help of Python.

RESEARCH

- *Syeda Tasneem Towhid, Md. Jubayer Hossain, Sumona Akter, Md. Atik Shariar Sammo.* **Perception of Students on Antibiotic Resistance and Prevention: An internet-based community case study from Dhaka, Bangladesh.** [Under Preparation]

- *Syeda Tasneem Towhid, Md. Jubayer Hossain, Sumona Akter, Md. Atik Shariar Sammo, Shahid Hasan Munzur.* **Self Management And Knowledge of Diabetic Patients in Bangladesh and the Prevalence rate of Diabetes.** [Ongoing]

- *Dr. Md. Kamrujjaman, Alamgir Hossain Tanjim, Md. Jubayer Hossain.* **A survey on the general concept of diabetes among students of different universities in Bangladesh.**   [Under Preparation]

- *Syeda Tasneem Towhid, Md. Jubayer Hossain, Sumona Akter, Md. Atik Shariar Sammo, Sharif Hossain, Sumaiya Akter Mukta, Morsheda Munia, Mohammad Nahian.* **Public Perception on the Spread of Antibiotic Resistance in Bangladesh.**   [Ongoing]

PROJECTS

- **Disease Detection System**   [Github]
  The aim of this Disease Detection System(DDS) to detect some disease by using machine learning techniques.

KEY SKILLS

o **Operating Systems:** Windows, Linux

o **Version Control:** Git, Github

o **Programming Languages:** Python, R, Julia, SQL

o **Statistical Software Packages:** SPSS, MS Excel

o **Programming Environment:** Jupyter Notebook, RStudio, VSCode

o **Word Processing and Presentation:** MS Word, MS PowerPoint

o **Typesetting and Illustrations:** LaTeX

o **BioStack:** Biopython, Scikit-bio, BioPandas, Biotte, RDkit

AFFILIATIONS

o **Founder**, *Health Data Research Organization*   [Nov 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.

o **Founder**, *Punopunik*   [Nov 2016 - 2018]
   The Pounopunik is a science organization in my Upazila. This organization aims to arrange a science olympiad and other scientific events for primary, secondary, and higher secondary students.

RESEARCH INTERESTS

Disease classification, Public health, Health data analytics

LINGUISTIC PROFICIENCY

o English (Fluent Working Proficiency)

o Bangla (Native Language)

EXTRA CURRICULAR ACTIVITIES

o **Founding Member**, *Kanthokanon*   [Nov 2016 - Present]
   Kanthokanon is a poet recitation organization in my Upazila. 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."

REFERENCES

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