

Md. Jahidul Islam Nayeem

Sundram, Ziapur-3521, Cumilla, Bangladesh

Phone: +8801885256585

Email; jahidulislamnyeem45@gmail.com

HIGHLIGHTS OF QUALIFICATIONS

- **Leadership and Community Engagement:**
 - Chairperson of the **Durnibar Foundation** organized fundraisers raising \$7,000 to support the urban poor and led a winter clothing drive, helping 3,000 people stay warm during harsh conditions.
 - Core team member of **Go Up Foundation**, promoting youth empowerment and community service.
- **Research and Analytical Expertise:**
 - Developed machine learning algorithms for breast cancer detection as a **research intern at North South University**, resulting in two first-authored papers published at top machine learning conferences.
 - Hands-on experience as an intern at **WHO sentinel site labs** for environmental surveillance at the **Child Health Research Foundation**.

SOFTWARE AND TECHNICAL PROFICIENCIES

- **Programming and Web Development:** Proficient in Python, HTML/CSS, JavaScript, SQL, and MATLAB.
- **Laboratory Skills:** PCR, Gel Electrophoresis, Microbial Culture Techniques.
- **Communication Tools:** social media platforms (Facebook, Twitter, Instagram); online meeting platforms (Zoom, Google Meet, Microsoft Teams)
- **Languages:** English (advanced), Hindi (intermediated), Urdu (beginner)

EDUCATION

- **Nimsar Junab Ali College**, Science (September 2020 - February 2023)

- **Sundram High School**, Science (January 2018 - May 2020)

RELEVANT EXPERIENCE

Journalism and Publication

Features Writer

The Financial Express & Youth Policy Forum

2021 - Present

Digital Hill Valley

Business Analytics Intern

Dhaka, Bangladesh

May 2024 - July 2024

Focused on advanced data analytics techniques and practical applications, enhancing skills in data visualization, statistical analysis, predictive modeling, and decision-making strategies to support business intelligence initiatives and improve operational efficiency.

AI Academy Bangladesh

Artificial Intelligence Intern

Cumilla, Bangladesh

April 2024 - June 2024

- Developed machine learning models for image recognition and natural language processing projects, conducted thorough data analysis, and prepared technical documentation to support project understanding.

Bangladesh Youth Environmental Initiative (BYEI)

NEO Alumni

Dhaka, Bangladesh,

April 2024 - Present

- Participated in the Green Day Training, focusing on environmental conservation and sustainable practices, and collaborated on a community-based environmental project.

Elite Youth Foundation

Executive

Dhaka, Bangladesh

February 2024 - Present

- Contributed to initiatives for SDGs implementation, youth empowerment in ICT, child rights, and social change.

National STEAM Olympiad

College Ambassador

Cumilla, Bangladesh

February 2023 - Present

- Represented and advocated for the Olympiad, promoting access to knowledge and lifelong learning within the student community.

EducationUSA

Volunteer

January 2023 - Present

- Assisted individuals in navigating higher education and enhancing communication and leadership skills while making a positive community impact.

PROJECTS

Agro in a Nutshell (Feb 2022 - Oct 2022)

Initiated and led a project aimed at creating free educational content and resources on Microbial agrarian, Sustainable Agriculture, and Eco-Friendly Agro-products.

In silico Drug Discovery for SARS-CoV-2 (Jul 2021 - May 2022)

Performed a computational screening of peptide inhibitors targeting SARS-CoV-2 main protease, identifying effective antiviral peptides for further studies.

Millennium Falcon (Nov 2020-Jan 2021)

developed a human space settlement project focusing on hydroponic farming and synthetic food manufacturing, winning 1st place in the Cities in Space Competition 2021.

Investigation on Pepper Plant Growth (Apr 2020 - Sep 2020)

Conducted a 5-month research project analyzing the relationship between seed germination and growth of *Capsicum frutescens*, achieving a bronze medal at the International Science and Invention Fair 2020.

MetaPurifier (Mar 2019 - Jun 2019)

Created a sustainable water purification system for industrial wastewater, improving the quality of water.

LEADERSHIP & ACTIVITIES

Team Atlas

Executive Advisor & Chief Technology Officer

Dhaka, Bangladesh

2022 – Present

- Led a team in robotics development and competitions, providing strategic guidance and mentoring.

Model United Nations Club

Vice-President

Dhaka, Bangladesh

2022 – Present

- Conducted training sessions and helped organize events for national and international MUN conferences.

ADDITIONAL EXPERIENCE**Civics Unplugged**

Spring '22 Fellow

February 2022 - April 2022

- Participated in a leadership program empowering Gen Z leaders globally.

Deviation Scientific Society

Chief Academic Coordinator and Biocamp Instructor

March 2020 - March 2022

- Coordinated academic events and taught biology to middle and high school students.

Global Community Bio Summit

Selected Participant and Contributor

November 2021

- Presented on "Revolutionizing Community & DIY Biology" at the summit.

VOLUNTEER EXPERIENCE**Civics Unplugged**

Fellow

February 2022 - April 2022

Completed a leadership program, contributing to projects aimed at empowering youth globally.

Bangladesh Youth Environmental Initiative

Volunteer Educator,

Dhaka, Bangladesh

2021- Present

Facilitated workshops for youth, focusing on environmental sustainability and activism.

Green World Foundation

Environmental Volunteer

Dhaka, Bangladesh

2020: Present

Led clean-up drives and educational workshops to promote environmental awareness.

AWARDS

- **QCEC Gold Award:** The Queen's Commonwealth Essay Competition 2024
- **Silver Medalist at** Climate Science Olympiad 2022
- **Bronze medal at** International Youth Math Challenge 2023: 35 ranks with 23574 participants
- **Silver Medal:** The Queen's Commonwealth Essay Competition 2023
- **Champion at** Bangladesh Olympiad on Astronomy and Astrophysics 2023
- **Silver Medalist** 17th Bangladesh Astro Olympiad 2022
- **Bronze Medalist**—National Earth Olympiad 2023
- **Top 5 National Finalists:** Robotics competition with Team Atlas
- **Best Speaker Awards:** Multiple MUN conferences
- **Silver Medalist at** IUB Green Genius season 4 in 2023
- **Man of the Tournament (MOT)**—Regional Cricket Championship 2022
- **Champion:** National High School Programming Contest.
- **3rd-Shrijonshil Medha Onneshon Competition** (Math, Computer)

Various Internships

- **Yugen Research Organization:** High School Researcher and Project Lead
- **Drug Delivery & Therapeutics Ltd:** Intern
- **BioLim Centre for Science & Technology:** Nanobiotechnology Intern
- **American Diabetes Association:** Diabetes Virtual Camper
- **Seattle Children's:** Internship Trainee