

# Airin Afroj Aishi | Under-Graduate School Student

🏠 Temporary: Niribili, Savar, Dhaka - 1344

🏠 Permanent: Pangsha-7720, Pangsha, Rajbari, Dhaka

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## About

Driven and ambitious third-year student with strong academic excellence and dynamic leadership in debate and extracurricular activities. Passionate about advancing in 4th industrial technologies and skilled in critical thinking, problem-solving, and collaboration to pursue innovative projects and advanced studies in a dynamic undergraduate environment.

## Research Interest

• Cyber Security • Machine Learning • Artificial Intelligence • Internet of Things

## Education

**B.Sc in Computing and Information System (CIS)** July 2023 – Running

University: Daffodil International University (DIU)

Dhaka, Bangladesh

• CGPA: 3.98/4.0

• **Coursework:** Computer Architecture, Algorithms, Structured Programming & OOPs, DBMS, Networking & Operating Systems, Data Structure, AI, Big Data Analytics and Information System Engineering.

**Higher Secondary in Science**

July 2019 - Feb 2022

Pangsha Mohila Collage | Pangsha, Rajbari, Bangladesh

GPA: 5.0/5.0 (Golden A+)

**Secondary in Science**

Jan 2014 - May 2019

Pangsha Girls High School | Pangsha, Rajbari, Bangladesh

GPA: 5.0/5.0 (Golden A+)

## Publications

**Published Paper: Comparative Analysis Based on DeepSeek, ChatGPT, and Google Gemini: Features, Techniques, Performance, Future Prospects** 🔗

**Submitted Paper:**

**Ongoing Research:**

## Programming Contests

• **ICPC - 2023**

An International Collegiate Programming Preliminary Contest 2023

• **Takeoff - Fall 2023**

Daffodil International University Take Off Programming Contest Fall-2023 Final Round

## Academic Projects

• **A Personal Portfolio Website (A Web Development Project)**

Developed a robust portfolio using HTML, CSS, and Bootstrap for backend management. The website features an intuitive user interface and is fully optimized for different screen sizes to provide a seamless browsing experience across devices. (<https://airin93.github.io/>)

• **Student Database Management System (A DBMS project storing and retrieving data in a Database)**

Designed and implemented a database system using MySQL for secure record management, with Python for backend processing and Java for a user-friendly interface

- **A Campus Network Model (Design and Simulation of University Campus Network Using Cisco Packet Tracer)**

Designed, Configured, and Simulated a Complete network Solution for a University Campus using Cisco Packet Tracer.

- **An Automated Vehicle Rental System**

Developed an automated vehicle rental system using Linux Shell scripting, for Transport Managers to manage vehicle records and rental logs.

## Work Experience

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### Language & Higher Study Coordinator , Research Ustad

Dec 2024 - Running

An academic platform supporting research students through writing, publishing, and tool guidance.

Web: [Research Ustad](https://researchustad.org) | Email: [info@researchustad.org](mailto:info@researchustad.org)

#### Responsibilities:

- Develop and oversee language programs, including curriculum design and assessment.
- Providing academic counseling, support for study abroad programs, and assistance with higher education applications
- Organizing workshops, seminars, and managing language proficiency improvement initiatives.

## Co-Curricular Activities

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### Finalist-Shornokishoree Network Foundation

Apr 2014

- A registered non-profit and social change maker development organisation focused to work with adolescent girls -Shornokishoree (Golden Girl).

### General Secretary - PGHS Debate Club

jan 2015 - dec 2017

- Manages club communication, takes meeting minutes, and handles administrative tasks.

### General Member - DIU Computing and Information System (CIS) Club

2024 - Running

- Organized events fostering spiritual growth and community outreach, including workshops, discussions, and Programming Contests, enhancing campus engagement.

### Volunteer- Independence Day Celebration Program

Mar - 2018

- Assisted in celebration with flag-hoisting ceremonies, paying homage to freedom fighters, cultural programs, and vibrant parades

### Finalist- 39th National Science and Technology Week (District Level)

Jan - 2018

- a significant platform for students showcasing their innovative and creative work, stimulating creativity, fostering innovation, and supporting national development goals.

### 1<sup>st</sup> RunnerUp- 41st National Science and Technology Week (District Level)

Jan - 2020

- A platform to promote science among youth by showcasing innovative projects and fostering scientific talent focused on addressing the challenge of climate change

## Skills

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- Problem-Solving • Creative Thinking • Leadership Quality • Adaptability • Strong Communication

## Technical Skills

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- **Programming Languages:** C, C++, Java, Python
- **Web Development:** HTML, CSS
- **Database Management:** MySQL
- **Version Control:** GitHub
- **Development Tools:** Visual Studio, CodeBlocks, NetBeans, PyCharm.
- **Cloud & Virtualization:** Oracle VM, Microsoft SQL Server
- **Operating System:** Windows, Linux
- **Office Tools:** MS Word, MS PowerPoint, MS Excel.
- **Other Skills:** Problem-Solving, Nmap, PGP tool

## Linguistic Proficiency

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- English (Good User); IELTS Band Score: 7 • Bangla (Native) • Hindi (Intermediate Level)

## Awards & Prize

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- **Dean's List Award:** Organized by Daffodil International University Fall, 2024
- **Dean's List Award:** Organized by Daffodil International University Spring, 2024
- **2<sup>nd</sup> Position:** Intellectual Quiz, awarded by the BMWC Affairs, organized by the Bangladesh Shishu Academy. 2017
- **1<sup>st</sup> Position:** Presentational speech, Organized by Bangladesh Shishu Academy. 2017
- **1<sup>st</sup> Position:** Debate, awarded by the BMWC Affairs, Organized by Bangladesh Shishu Academy. 2015
- **DIU Merit Scholarship:** Daffodil International University offers a tuition fee waiver for students based on their previous academic results, excluding the Registration fees for each semester. 2023
- **SSC-Board Scholarship (TalentPool) and 3<sup>rd</sup> standing in Upazila A** merit-based scholarship awarded to high-achieving students in Secondary School Certificate(SSC) Examination, covering full tuition and providing a monthly stipend 2019
- **JSC-Board Scholarship (TalentPool) and 5<sup>th</sup> standing in Upazila A** merit-based scholarship awarded to high-achieving students in Junior School Certificate(JSC) Examination, covering full tuition and providing a monthly stipend 2016

## Workshop & Seminar

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- **Ready to Fly Abroad workshop**  
Organized by International Affairs, Daffodil International University (DIU)
- **Meet the alumni Seminar**  
Hosted by DIU CIS Club.
- **AI Engineering Career Workshop**  
Organized by DIU Computer and Programming Club (CPC)

- **Women Health and Wellness Seminar**  
Conduct by Student's Affairs,DIU

## Reference

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### **Md. Sarwar Hossain Mollah**

Associate Professor and Head of the Dept. of CIS  
Daffodil International University (DIU)

Email: [headcis@daffodilvarsity.edu.bd](mailto:headcis@daffodilvarsity.edu.bd)

### **Md. Faruk Hosen**

Lecturer (Senior Scale), Dept. of CIS  
Daffodil International University (DIU)

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