

Airin Afroj Aishi | Under-Graduate School Student

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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, Object Oriented Programming, Database Management System, Networking, Operating Systems, Data Structure, Artificial Intelligence, 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

1. Rahman A, Debnath T, Kundu D, Khan MS, **Aishi AA**, Sazzad S, Sayduzzaman M, Band SS. "**Machine learning and deep learning-based approach in smart healthcare: Recent advances, applications, challenges and opportunities**". AIMS Public Health 2024; 11(1), 58, [JR: Q2 (IF: 3.1)] [🔗](#)

2. Rahman A, Mahir SH, Tashrif MTA, **Aishi AA**, Karim MA, Kundu D, Debnath T, Moududi MAA, Eidmum MZ. "**Comparative Analysis Based on DeepSeek, ChatGPT, and Google Gemini: Features, Techniques, Performance, Future Prospects**". Systems and Soft Computing 2025; Sept 20, [JR: Q2 (IF: 3.6)]

3. Nobel SN, Wadud MA, Rahman A, Kundu D, **Aishi AA**, Sazzad S, Rahman M, Imran MA, Sifat OF, Sayduzzaman M, Bhuiyan TA. "**Categorization of dehydrated food through hybrid deep transfer learning techniques**". Statistics, Optimization & Information Computing 2024; 12(4), 1004-18, [JR: Q3 (IF: 1.44)] [🔗](#)

4. Wadud MA, Rahman A, Sazzad S, Kundu D, Rahman M, **Aishi AA**, Nobel SN, Bhuiyan TA, Ahmed Z. "**Garduino: Sustainable Indoor Gardening Developed with Mobile Interface**". Statistics, Optimization & Information Computing 2024; Aug 26, [JR: Q3 (IF: 1.44)] [🔗](#)

Programming Contests

- **ICPC - 2023**
An International Collegiate Programming Preliminary Contest 2023 (Regional)
- **Takeoff - Fall 2023**
Daffodil International University Take Off Programming Contest Fall-2023 Final Round

Awards and Honors

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

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. ([Link](#))
- **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. ([Link](#))
- **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. ([Link](#))

Work Experience

Language & Higher Study Coordinator , Research Ustad Dec 2024 - Running
An academic platform supporting research students through writing, publishing, and tool guidance.

Responsibilities:

- Develop and oversee language programs, including curriculum design and assessment.
- Organizing workshops, seminars, and managing language proficiency improvement initiatives.

Workshop and Seminar

- **Ready to Fly Abroad workshop**
Organized by International Affairs, Daffodil International University (DIU)
- **AI Engineering Career Workshop**
Organized by DIU Computer and Programming Club (CPC)
- **Meet the Alumni Seminar**
Hosted by DIU Computing and Information System Club (CIS)
- **Women Health and Wellness Seminar**
Conduct by Student's Affairs, DIU

Co-Curricular Activities

Finalist-Shornokishoree Network Foundation	Apr 2014
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Manages club communication, takes meeting minutes, and handles administrative tasks.	
General Member - DIU Computing and Information System (CIS) Club	2024 - Running
<ul style="list-style-type: none">• Organized events fostering spiritual growth and community outreach, including workshops, discussions, and Programming Contests, enhancing campus engagement.	
Volunteer- Independence Day Celebration Program	Mar - 2018
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• a significant platform for students showcasing their innovative and creative work, stimulating creativity, fostering innovation, and supporting national development goals.	
1st RunnerUp- 41st National Science and Technology Week (District Level)	Jan - 2020
<ul style="list-style-type: none">• A platform to promote science among youth by showcasing innovative projects and fostering scientific talent focused on addressing the challenge of climate change	

Certification

- **AWS Academy Data Engineering Course ([Link](#))**
Issued by Amazon Web Services Training and Certification. Provides hands-on learning to collect, store, prepare, analyze, and visualize data for analytics and machine learning. Real-world use cases guide decision-making when building data pipelines for specific applications.

Soft Skills

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

Technical Skills

- **Programming Languages:** C, Python, C++, Java
- **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

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

Reference

Md. Sarwar Hossain Mollah

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Daffodil International University (DIU)
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Md. Faruk Hosen

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