ABDUL MUHAIMEN JAMIL WASHI

Address: Road No 3, Rahman Nagar A Block, Chittagong-4203, Bangladesh
Nationality: Bangladeshi   **Date of Birth:** June 7, 2000   **E-mail:** amjwashi@gmail.com
LinkedIn: www.linkedin.com/in/muhaimenwashi/   **Mobile:** +8801735910849

SUMMARY

I am a fisheries science student with interests in aquatic ecology, climate-ecosystem interactions, and biodiversity restoration. I have practical experience in GIS, programming, and research within fisheries and climate studies. I aim to use data-driven and spatial approaches to support ecosystem recovery and biodiversity outcomes, especially in coastal environments.

ACADEMIC BACKGROUND

May 2025-Current
University of Chittagong, Hathazari, Chittagong-4331
Department of Fisheries
Master of Science in Fisheries Management
CGPA: **Appeared** (36 Credits)
Core Courses: Applied Fisheries Technology, Fisheries Resources Systems, Community Based Fisheries Management, Fisheries Genetics and Molecular Biology, Blue Economy and Sustainable Development, Fisheries Project Formulation, Evaluation & Management

January 2019-May 2025
University of Chittagong, Hathazari, Chittagong-4331
Department of Fisheries
Bachelor of Science in Fisheries (Honours)
CGPA: **3.65/4.00** (160 Credits)
Core Courses: Bio-statistics, Fisheries Economics, Environmental Management, Remote Sensing and GIS in Fisheries, Climate Change and Fisheries, Aquaculture Planning and Engineering, Computer Application, Fisheries Resources Management, Environmental Impact Assessment, Fish and Shellfish Disease and Management, Fish Pharmacology, Post-Harvest Technology, Hatchery Operation and Management, Fish Population Dynamics

RESEARCH INTEREST

Climate change and fisheries productivity, Ecosystem-based conservation and global change biodiversity dynamics, GIS and remote sensing in fisheries, Coastal and estuarine ecosystem restoration, Community-based fisheries and livelihood resilience.

RESEARCH EXPERIENCE

May 2025-Current
Involvement: Thesis Research Student
Topic: Climate-Driven Shifts in Inland Fisheries Productivity in Northern Bangladesh: A Spatio-Temporal Analysis.
Research supervisor: Dr. Md. Rashed-Un-Nabi, Professor, Department of Fisheries, University of Chittagong
Email: rashed.nabi@cu.ac.bd
Summary of the Project: Conducting an integrated GIS and statistical analysis to examine how climate variability (temperature and rainfall changes) influences inland fisheries productivity in northern Bangladesh. The research aims to identify vulnerable areas, quantify climate-fishery linkages, and propose adaptive strategies for sustainable fisheries management.
Techniques used in the Project: Ongoing Project

May 2024-April 2025
Involvement: Term Paper Research Student
Topic: Impacts of Climate Change on Fishery-Dependent Livelihoods in the Hakaluki Haor Wetland of Bangladesh
Research supervisor: Dr. Md. Rashed-Un-Nabi, Professor, Department of Fisheries, University of Chittagong
Email: rashed.nabi@cu.ac.bd
Summary of the Project: The study analyzes the impacts of climate change on fishery-dependent livelihoods in the Hakaluki Haor wetland of Bangladesh, employing the Sustainable Livelihood Framework (SLF) to assess local fishing communities' vulnerabilities and coping strategies. The research identifies significant challenges these communities face,

including reduced fish stocks, increased weather-related disruptions, and a lack of sufficient adaptation support.

Techniques used in the Project: Sustainable Livelihood Framework (SLF), Mixed-Methods Approach, Data Analysis using Microsoft Excel, Thematic Analysis, GIS, ArcGIS, Adobe Illustrator, and Google Earth Pro.

May 2024-December 2024

Involvement: Trainee at the Enhancing Digital Government and Economy (EDGE) Project of Bangladesh Computer Council, ICT Division
Topic: Training on "Basic Programming with Python"
Summary of the Project: A 60-hour, 6-month training program covering fundamental Python topics, including a capstone project and hands-on exercises for practical learning.

December 2023

Involvement: Trainee at Datascape Research & Consultancy Ltd
Topic: Qualitative Data analysis with Nvivo
Trainers: Md. Salman Sohel & Md. Khaled Sifullah, Lecturer, Department of Development Studies, Daffodil International University
Summary of the Project: A comprehensive five-day online training program on NVivo, focusing on the analysis of qualitative data. The training covered the fundamental features of NVivo, including data coding, thematic analysis, and the organization of qualitative data. Participants gained practical insights into how NVivo can be utilized for efficient data management and in-depth analysis, with a focus on its application in research projects.

January 2023

Involvement: Trainee
Topic: Participatory GIS Train the Trainer Workshop
Trainer: Dr. Brent McCusker, Professor, Geography, West Virginia University, also YouthMappers Co-Founder and Co-Director
Summary of the Project: Completed an eight-hour in-person training on Participatory GIS, provided by West Virginia University through its YouthMappers program, in January 2023. The hands-on session, held at Radisson Blu in Chattogram, was led by Dr. Brent McCusker and focused on training trainers in the use of GIS for participatory mapping and community-driven research.

August 2022-December 2022

Involvement: Research Team Member
Topic: Sanitation & Hygiene Mapping Fieldwork
Funded By: Jointly funded by the YouthMappers Fieldwork program and the US Department of State's MapGive program
Techniques used in the Project:
Field survey design and implementation (door-to-door latrine assessments)
Hygiene and WASH condition evaluation
QGIS-based spatial analysis and accessibility-gap mapping
Community engagement and stakeholder communication
Data quality assurance and metadata documentation

PUBLICATIONS

Bridging the gap: enhancing socio-ecological resilience by breaking the debt cycle among small-scale hilsa fishers in Bangladesh. (2024)

Article Link: https://link.springer.com/article/10.1007/s40152-024-00355-3
Open access funding was provided by the University of Helsinki

TEACHING EXPERIENCE

[2019 – Current]
Science Tutor (O Level)
Providing one-on-one instruction, developing teaching materials and optimizing lessons of high school students in chemistry, physics, biology and mathematics.

SKILLS

Geospatial Tools

QGIS | ArcGIS Pro | KoboToolbox | Nvivo software
Technical & Programming

Python | R/RStudio [Libraries: TropFishR, DBI, ggplot2, JABBA, LBSPR, LBB] | Microsoft Office | Video Conferencing - Advance
Design & Visualization
Adobe Illustrator, AI | Adobe Photoshop (Basic) | Proficient with Adobe Lightroom
Research & Soft Skills
Data Collection, Data Processing, Data Analysis, Data Visualization | Organizational and planning skills | Good listener and communicator

VOLUNTEERING & LEADERSHIP EXPERIENCE

[3 October 2025 – Current]
President
CUSS YouthMappers
City: Chittagong | **Country:** Bangladesh

[22 June 2025 – Current]
Student Member
South Asian Meteorological Association (SAMA)
City: New Delhi | **Country:** India

[18 May 2025 – Current]
General Member
National Oceanographic And Maritime Institute (NOAMI)
NOAMI 10/8 Eastern Plaza (9th Floor) 70 Bir Uttam C R Dutta Road, Hatirpool, 1205, Dhaka

[13 February 2025]
Convener
Chittagong Science Carnival 4.0

[1 February 2024 - 3 March 2025]
Vice President
Chapainawabganj District Students' Association, University of Chittagong
City: Chittagong | **Country:** Bangladesh

[15 June 2023]
Convener
Chittagong Science Carnival 3.0

[3 January 2023 – 7 February 2024]
General Secretary
Chittagong University Scientific Society
City: Chittagong | **Country:** Bangladesh

[9 June 2022]
Organizer
Chittagong Science Carnival 2.0

TEST SCORE

IELTS Score- 7.0 out of 9.0   **15 September 2025**

Listening	Reading	Writing	Speaking	Overall
7.5	8.5	6.0	6.5	7.0

HOBBIES AND INTERESTS

Photography & Post-Editing (Lightroom), Student leadership & Event organizing, Travel & cultural exploration.

REFERENCES

Available upon request