

MD SHAHRIAR MORSHED JAHIN

*MS Student, Agricultural Extension & Rural Development
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PERSONAL STATEMENT

I am an MS student in Agricultural Extension and Rural Development with a technical foundation in Fisheries Science. Combines district-level field experience in aquaculture value chains and grassroots extension with strong capabilities in quantitative data analysis and computational modeling. Dedicated to bridging the gap between high-level fisheries science and rural livelihood diversification in Bangladesh, seeking research and professional opportunities to develop scalable, evidence-based extension models for smallholder communities.

EDUCATION

2025 – Present

Master of Science (MS) in Agricultural Extension & Rural Development

Gazipur Agricultural University, Bangladesh

Research focus: agricultural extension systems, rural development, farmer-level technology adoption, and institutional approaches to improving productivity and livelihoods in rural communities.

2021 – 2024

Bachelor of Science (BS) in Fisheries

Gazipur Agricultural University, Bangladesh

CGPA: 3.637 / 4.00

Coursework and applied training in aquaculture production systems, fisheries management, field survey methodology, extension practice, and direct engagement with government fisheries services and rural farming communities.

2020

Higher Secondary Certificate (HSC)

Science

Birshreshtha Noor Mohammad Public College, Dhaka

GPA: 5.00 / 5.00

Foundational study in general science, mathematics, and analytical reasoning.

2018

Secondary School Certificate (SSC)

Science

Thakurgaon Government Boys' High School, Thakurgaon

GPA: 5.00 / 5.00

Foundational study in basic sciences, mathematics, and disciplined academic practice.

RESEARCH INTERESTS & ACADEMIC FOCUS

- Fisheries extension systems and service delivery
- Rural livelihood diversification and smallholder resilience
- Technology adoption and diffusion among farming communities
- Evidence-based agricultural policy and institutional analysis
- Applied data analysis for extension planning and decision support
- Bioinformatics and computational approaches applied to aquaculture and agricultural sciences

RESEARCH & FIELD EXPERIENCE

Nov 2025 – Jan 2026

Intern — Fisheries Extension & Field Research

District Fisheries Office, Gazipur

- Completed a structured internship providing hands-on exposure to fisheries extension services, institutional operations, and field-level implementation of government programs.
- Conducted farm and hatchery visits, market observations, and assessments of aqua-medicine input suppliers to evaluate service delivery and regulatory compliance.
- Participated in and helped deliver farmer training programs on extension technologies and best practices.
- Carried out field surveys of wetlands and commercial ponds, contributing to primary data collection in rural fishing communities.
- Gained applied experience in data reporting, regulatory enforcement processes, and coordination between government extension officers and farming communities.

Dec 2024 – Feb 2025

Surveyor

Center for Environmental and Geographic Information Services (CEGIS)

- Conducted field surveys and primary data collection on the beels (wetlands) of the Mymensingh Division as part of a wetland management project undertaken in collaboration with the Ministry of Environment, Forest and Climate Change, Bangladesh.
- Assessed and documented the present status of selected wetland systems in Bangladesh through structured field observation.
- Collaborated with a multidisciplinary project team to analyze survey data and generate insights supporting project development and planning.

LEADERSHIP & PROFESSIONAL SERVICE

Feb 2025 – Jul 2026

Vice President

IT Society, Gazipur Agricultural University

- Lead a student organization promoting digital literacy and computational approaches within the agricultural sciences.
- Organized workshops on programming for life-sciences students and hackathons focused on developing technology-based solutions to agricultural challenges.

Jan 2025 – Jun 2025

Chief of Staff

Hult Prize at Gazipur Agricultural University

- Coordinated the Hult Prize initiative at GAU, a global social entrepreneurship and innovation program.
- Engaged and mobilized students to develop business-oriented solutions to global development challenges through structured competition and mentorship.

PROFESSIONAL TRAINING

Feb 2025 – Apr 2025

Tools and Techniques of Bioinformatics (80-Hour Intensive Training)

Enhancing Digital Government and Economy (EDGE) Project, ICT Division, Bangladesh Computer Council

(Conducted by the Department of Computer Science and Information Technology (CSIT), Gazipur Agricultural University.)

- Acquired formal, hands-on computational training in genomic data analysis, bioinformatics software tools, and computational biology techniques.

TECHNICAL & RESEARCH SKILLS

Extension & Field Research

Farmer interaction and advisory services; field survey design and data collection; training and demonstration delivery; extension documentation and reporting.

Data Analysis & Programming

Python; R (statistical analysis); data visualization and reporting; HTML, CSS, and JavaScript for applied data tools.

Bioinformatics & Computational Biology

Genomic data analysis; molecular docking; Discovery Studio and PyRx; applied quantitative data analysis.

REFERENCES

Dr. Shaikh Shamim Hasan

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