



Bitu Joydhar

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Career Objective

To pursue a rewarding academic career where I can share my passion for mathematics with students, engage in meaningful research, and embrace every challenge as a stepping stone for personal and institutional growth—learning, teaching, and evolving together.

Education

No.	Degree	Institution	CGPA with Merit/Class Position	Awarded Year
1.	Master of Science (MS) in Mathematics	Department of Mathematics, Jahangirnagar University, Dhaka, Bangladesh	GPA: 4.00 out of 4.00 (Position: 1 st)	2022
2.	Bachelor of Science (B.Sc.) in Mathematics	Department of Mathematics, Jahangirnagar University, Dhaka, Bangladesh	CGPA: 3.82 out of 4.00 (Position: 1 st)	2021
3.	Higher Secondary Certificate (HSC) in Science	Shahid Smriti College, Shashikar, Madaripur.	GPA: 4.67 out of 5.00	2017
4.	Secondary School Certificate (SSC) in Science	East Kotalipara Union High School, Jahararkandi, Kotalipara	GPA: 5.00 out of 5.00	2015

Training

No.	Training Title	Duration	Provider/Institution
1.	Teacher Training Program on Teaching, Learning and Research	24 April 2025 – August 25, 2025	Institutional Quality Assurance Cell (IQAC), in collaboration with Centre for Research & Training (CRT), East West University

Professional Experience

No.	Position	Institution	From-To
1.	Lecturer	Department of Mathematics and Data Science, at East West University (EWU), Dhaka, Bangladesh.	January 28, 2025, to Present

Publication, Conference Presentations and others

- Ahmed, M. R., **Joydhar, B.**, Andallah, L. S., Biswas, P., & Ferdous, J. (2025). Numerical simulation of multilane traffic flow model based on exponential velocity-density function. *Partial Differential Equations in Applied Mathematics*, 16, 101323. <https://doi.org/10.1016/j.padiff.2025.101323> (Q2, Cite Score-6.6).
- **Joydhar, B.**, Ahmed, M. R., & Andallah, M. L. S. (2025). *Traffic dynamics: A fluid mechanical perspective using mass and momentum equations*. 1st International Conference on Science and Humanities for Sustainable Development (ICSHSD- 2025), Dhaka University of Engineering & Technology (DUET), Gazipur, Bangladesh, October 23-24.
- **Joydhar, B.**, Ahmed, M. R., & Andallah, M. L. S. (2025). *Numerical simulation and stability analysis of the Payne-Whitham traffic flow model: A comparison with the LWR model*. 24th International Mathematics Conference, University of Chittagong, Chittagong, Bangladesh, December 18-19.
- **Joydhar, B.**, Andallah, M. L. S., & Ahmed, M. R. (2024, December 10–11). *Traffic flow simulation by using fluid dynamic mass and momentum equation models* [Poster presentation]. International Workshop on Advances in Mathematical Modeling and Analysis (IWAMMA 2024), Department of Mathematics, Jahangirnagar University, Savar, Dhaka, Bangladesh.

Awards, Achievements and Fellowship

No.	Award/Fellowship	Awarding Institution	International/ National	Date of Award	Remarks
1.	A F Mujibur Rahman Gold Medal for Excellence in Mathematics (BSc)	A F Mujibur Rahman foundation	National	05 May, 2024	Recognition for obtaining First Class First position in B.Sc. Honours Examination
2.	National Science & Technology (N.S.T) Fellowship	Ministry of Science and Technology	National	2023 - 2024	For conducting MS thesis during the fiscal year 2023 - 2024.
3.	Government merit Scholarship (Talent Pool)	Directorate of Secondary and Higher Education of Bangladesh	National	December 2025.	For excellent result in BS examination.

Extra-Curricular Activities

- Volunteer in A F Mujibur Rahman-Bangladesh Mathematical Society National Mathematics Conference-2022 (13-14 January 2023).
- Worked as a Mathematics teacher in "Nucleus Coaching Centre" from March 2022 to December 2024.
- Captain of the "Khagbari Cricket team" in 2014-2016 and won several domestic tournaments.
- Win "Khagbari Premier League" as a footballer in 2014 and won the Young Best Player award.

Computer Proficiency

- Programming language: C, C++, MatLab.
- Computer literacy: MS Word, MS Excel, MS PowerPoint, MS Access.
- Operating System: Windows.

Language Efficiency

- Bangla: Native.
- English: Proficient in Reading, Listening, Writing and Speaking.

Personal Details

Name: Bitu Joydhar
Father's name: Bimal Joydhar
Mother's name: Kazal Joydhar
Date of Birth: 30-03-1999
Religion: Hindu
Blood Group: O+

Permanent address:
Village: Khagbari
Post-Office: Ramshil
Upazila: Kotalipara
District: Gopalganj

References

Dr. Md. Laek Sazzad Andallah
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Declaration

I hereby declare that all the information given in my curriculum vitae is true and correct.

Sincerely yours

Bitu Joydhar

(Bitu Joydhar)