MD RAKIB HASAN

Graduated from the University of Dhaka with over four years of teaching and mentoring experience at primary to higher secondary levels and two years on international platform of Stanford University's Code in Place. Known for strong mentorship skills, student-friendly, and passionate for inclusive learning environments. Recognized with awards of "Sera Medhabi" by NTV and served as captain of the champion team in the BCB School Cricket Tournament (Mohammadpur Thana).

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EDUCATION

University of Dhaka; Dhaka, Bangladesh   Jan 2020- Feb 2025

Bachelor of Science (B. Sc) in Soil, Water & Environment, DU BATCH: 99

CGPA: 3.62/4.00;
Research Project: "*Health Risk Assessment from Heavy Metals in Dried Fish of Dhaka*"
Supervisor: Dr. ASM Mohiuddin

Government Bangla College; Dhaka, Bangladesh

Higher Secondary Certificate (HSC)   Graduated in 2019
   Letter Grade: A (Mathematics), A (Physics), A (Biology), A- (Chemistry), A* (ICT), A (English)

Lalmatia Housing Society School & College; Dhaka, Bangladesh   Graduated in 2017

Secondary School Certificate (SSC)
   Letter Grade: A* (Mathematics), A* (Physics), A* (Biology), A* (Chemistry), A* (ICT), A* (English)

TEACHING & PROFESSIONAL EXPERIENCE

Stanford University; Code In Place 2025   Mar 2025 - May 2025

Section Leader

- Led the class of 9 international students to teach CS106A/B program of Stanford University Syllabus. Provided detailed feedback and grading on assignments and exams.
- Collaborating with Dr. Chris Piech & Dr. Mehran Sahami to enhance course materials.

Atomic Energy Center; Bangladesh Atomic Energy Commission   Mar 2024 - Nov 2024

Research Assistant, Chemistry Division

- Developed and deployed deep learning models using TensorFlow and Scikit-Learn for water quality forecasting, enhancing environmental monitoring of the Turag, Buriganga, Shitalakshya, Dhaleshwari, and Balu rivers.
- Analyzed water pollution dynamics and documented findings in 7+ study, contributing to 10+ journal articles under supervision of *Dr. Yeasmin Nahar Jolly* (Cheif Scientific Officer, Chemistry Division, Atomic Energy Center)

PUBLICATIONS

Journal of Next Research, Elsevier (Under review)

Hasan, M. R., Rahman, A., Zubyer, S., & Jolly, D. Y. N. Comparative analysis of water quality forecasting of enhanced CNN, RNN, LSTM, GRU-based multivariate and univariate deep learning architectures for the urban Turag River.

AWARDS & RECOGNITION

Secretary Technical, **GeoBiome Club;** Department of Soil, Water & Environment, University of Dhaka

Sera Medhabi, **Tiffiner Fake**; NTV

Debater, **Bangladesh Debate Federation;** BDF

REFERENCES

Dr. Md. Akhter Hossain Khan	Dr ASM Mohiuddin	Dr. Yeasmin Nahar Jolly
Vice Chancellor	**Chairman**	**Chief Scientific Officer**
State University of Bangladesh	Department of Soil, Water & Environment, University of Dhaka	Atomic Energy Center.
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