

# MD RAKIB HASAN

Graduated from the University of Dhaka with over four years of teaching and mentoring experience at primary to A level/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**

**Vice Chancellor**

State University of Bangladesh

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**Dr ASM Mohiuddin**

**Chairman**

Department of Soil, Water &

Environment, University of Dhaka

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**Dr. Yeasmin Nahar Jolly**

**Chief Scientific Officer**

Atomic Energy Center.

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