RAIHAN UDDIN AHMED

Address: Sebok-91, Rainagar, Sylhet-3100, Bangladesh

Phone: +8801770076358 **Email:** raihan.014@student.sust.edu

Website: https://raihanuddinahmed.github.io/

PROFILE

Diligent Civil and Environmental Engineering graduate with strong analytical, problem-solving skills and a proven record of academic success; seeking admittance to the graduate program in Civil and Environmental Engineering. 4th in class ranking at the time of graduation. Highly ambitious individual with a firm work ethic.

EDUCATION

Shahjalal University of Science and Technology   Sylhet, Bangladesh
B.Sc in Civil and Environmental Engineering   2019
CGPA: 3.53/4.00

RESEARCH EXPERIENCE

Undergraduate Thesis

- *Thesis Topic:* **Analysis of Torsional Behavior of Reinforced Concrete Beams for Different Patterns of Shear Reinforcement Using ANSYS**
- Supervised by: Dr. H.M.A. Mahzuz

RESEARCH INTERESTS

- Statistical application in hydrology
- Hydro-meteorological extremes
- Multi-hazard risk assessment
- Geographic information system

PROFESSIONAL EXPERIENCE

Junior Structural Engineer   February,2022-Present
Mrith Sthapotto Prokoushol

- *Involved in preparation of the structural design of buildings, meeting with clients, assisting engineers and communicating with clients.*

STANDARDIZED TEST SCORES

Graduate Record Examination (**GRE**)   October, 2022
Total: 315

Quantitative	Verbal	Analytical Writing
163	152	4.0

International English Language Testing System (**IELTS**)   December, 2020
Overall: 7.5

Listening	Reading	Writing	Speaking

9.0	8.0	6.5	7.0

ADDITIONAL CERTIFICATIONS

- Courses on **Python**, March 30, 2020, from University of Michigan.
- Courses on **BIM**, June 2, 2020, from National Taiwan University.
- Course on **AI**, February 2, 2022 from DeepLearning.AI
- Course on **GIS**, March 11, 2022 from the University of Toronto.
- Specialization Course on **Excel**, December 24, 2020, from Macquarie University

SEMINARS ATTENDED

02/2020-02/2020 Sylhet Bangladesh	**Client Summit, 2020** Center of Research, Testing and Consultancy (CRTC), Shahjalal University of Science and Technology, Sylhet.
	- *Attended a 12-hour long seminar on Structural Health Assessment, Construction Site Management, Geotechnical Engineering, Environmental Monitoring and Modelling, Water and Waste Management etc.*

SKILLS

Programing Languages	**:** Python, C
Structural Analysis Software:	**:** ETABS, SAP2000, ANSYS, ABAQUS
Computer Aided Design Software	**:** SolidWorks, AutoCAD
GIS Software	**:** ArcMap, ArcGIS Pro, QGIS
BIM Software	**:** Autodesk Revit Structure

REFERENCES

- Dr. Mushtaq Ahmed (mushtaq_cee@yahoo.com)
  Professor
  Department of Civil and Environmental Engineering (CEE), Shahjalal University of Science and Technology (SUST)

- Dr. Md. Misbah Uddin (mun-cee@sust.edu)
  Professor
  Department of Civil and Environmental Engineering (CEE), Shahjalal University of Science and Technology (SUST)

- Dr. H.M.A. Mahzuz (mahzuz_211@yahoo.com)
  Professor
  Department of Civil and Environmental Engineering (CEE), Shahjalal University of Science and Technology (SUST)