
**Ishraque Bin
Khalil**
**Civil & Environmental
Engineer**

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[LinkedIn Profile](#)
[ResearchGate Profile](#)
[Digital Portfolio](#)

Education

M. Sc in Spatial Engineering (Ongoing)

University of Twente (2025-2027)

B. Sc in Civil Engineering

Ahsanullah University of Science and Technology (2015-2019)

CGPA: 3.052 (on a scale of 4.00)

B.Sc. Thesis

Assessment of Escherichia Coli Removal Efficiency of Buriganga River
Using a Hybrid Constructed Wetland System

Publication

- **Ishraque Bin Khalil**, Shoaib Ahmed Tonmoy, Golam Morsad, & Summya Sharmin. (2024). [Climate-Resilient Social Afforestation in Sandwip: A Community Driven Initiative to Mitigate Coastal Disaster Vulnerability](#). Journal of Water Resource Research and Development, 7(3), 41–56.
<https://doi.org/10.5281/zenodo.13917425>
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Conference Proceedings

- **Khalil, I. B.**, Azad, M., & Madani, M. A.-U.-Z. (2024) "[Morphological Assessment of Sandwip Island Using GIS and Remote Sensing Technology](#)." 7th International Conference on Civil Engineering for Sustainable Development (ICCESD 2024). Dept. of CE, KUET, Khulna, Bangladesh. ISBN: 978-984-35-5704-9.
 - **Khalil, I. B.**, Madani, M. A.-U.-Z., & Rahman, J. N. (2024) "[Hybrid Construction Wetlands: A Sustainable Solution for Treating Raw Water Using Recycled Concrete Waste Media to Achieve SDGS](#)." 7th International Conference on Civil Engineering for Sustainable Development (ICCESD 2024). Dept. of CE, KUET, Khulna, Bangladesh. ISBN: 978-984-35-5704-9.
 - "[Integrated Solid Waste Management Master Plan for Narayanganj City Corporation of Bangladesh](#)." ICBEN – 4: 33. Abstract - R. Ali, S. Hossain, **I. B. Khalil** and A.R. Mollick 2020
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Extra-Curricular Activity

President

2026-2027, [Orbit - Association of ITC Students](#)

Joint Secretary

2018-2019, [AUST Innovation and Design Club](#)

Class Representative

2015-2017, 34th Batch, [Civil Department, AUST](#)

Professional Experience

Environmental Specialist

June 2024 to Present, [Environment Resource and Analysis Center Ltd.](#)

Environmental Expert

January 2024 to June 2024, [New Vision Solutions Ltd.](#)

Junior Engineer (Environment)

September 2019 to January 2024, [Onushandhani Creeds Ltd.](#)

Major Responsibilities:

- Project implementation and management
- Coordinate with research team
- Water quality testing (Arsenic, pH, Turbidity, Hardness, TDS, TSS, TS, Color, Salinity, Conductivity, DO, NH3, Color, NO3 and E. coli etc.)
- Research and documentation
- IEE, EIA, ESIA report preparation
- Predict environmental impact and suggest mitigation measures
- Air quality and noise level measurement
- Data analysis (air, water, noise and vibration)

Professional Training

- Environment and Social Impact Assessment ([Clean & BWGED](#)) - 2024
- Environmental Modeling and ESIA ([IWM](#)) - 2023
- Energy Environment of Bangladesh ([Clean & BWGED](#)) - 2023
- Training on Urban Tree Inventory Using I-Tree ([Compass. United States Forest Service](#)) - 2023
- Professional AutoCAD Mastercourse ([CADD CORE TRAINING INSTITUTE](#)) - 2019
- Professional Graphics Design Training ([SR Institute of Design](#)) - 2018
- Practical SEO Training ([BITM](#)) - 2018

Volunteer Experience

Head Volunteer

2012-2017, OLsA ([Old Laboratorians Association](#))

Volunteer

2017, [Civil Rivalry 2017](#)

Organizer & Representative of Civil Department

2017, [Youth Fest](#)

Organizer & Host

2018, AUST CIVIL CARNIVAL Spring 2018

Organizer & Coordinator of Truss Challenge

2019, [Mind Sparks '19](#), Inter-University and College tech/biz competition organized by AUST IDC in association with IIT Roorkee, India

Sports

- Martial Art – 9th kyu (Yellow Belt)
- Team Member of Departmental Soccer Team, CE, AUST
- Runners-up, The Laboratorians Volleyball Tournament 2016

Language Proficiency

Dutch

A1

English (IELTS)

6.5 (Listening 6.5, Reading 6.0, Speaking 7.0, Writing 6.0)