

# ANIM SAHA

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## Research Interest

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Environmental science, Environmental Sustainability, Environmental Pollution, Geographic Information System (GIS), and Data-Driven Solutions for Environmental Problems.

## Education

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### Bachelor of Urban and Regional Planning,

Khulna University of Engineering and Technology

CGPA: 3.07 (scale 4.00)

02/2017 – 09/2022

Khulna, Bangladesh

**Key Courses:** Principles of Environmental Planning, Statistics for Planners, Water Resource Planning, GIS and Remote Sensing Studio, Environmental Planning and Management, Project Planning and Management, Environmental Chemistry.

## Research Experiences

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### Undergraduate Thesis, *Integration of Technology in Cyclone Management Practice:*

07/2022

*A Case Study of Dacope Upazila*

- Identifying service gaps in the existing cyclone management phases
- Developing plans that incorporate technology by identifying technological gaps
- Performed analyses to map vulnerable areas and their available resources

### Assessment of regional shopping behavior, *Rangpur Union, Khulna*

09/2021

- Reilly's law of retail gravitation and constrained gravity model were used
- Inadequate health services, electric appliances, and supplies were major findings

### TOR on Construction and Improvement of Drainage Network

07/2021

- Manning scheduling of the key personnel and supporting staff

### Study area selection for the Participatory rural appraisal in community

06/2021

- Resource and social map preparation with GIS data
- Methods applied - Fishbone, Problem tree, Venn, Mobility mapping, SWOT

### Growth Prediction of Urban Areas: A Study on Khulna Metropolitan Area

06/2019

- Prediction of urban growth using Geo-spatial analysis model
- Using Analytic Hierarchy Process and Growth pole theory for better prediction

### Environmental Profiling of Khulna City, *Ward No 02*

03/2019

- Spatial Analysis of the existing roads, water body, topography, drainage system, soil condition, and flood level.

### Report on Site Analysis, *Pubon Hawa Housing Ltd*

10/2018

- Site inventory and site analysis from the survey data and secondary data
- Implementing Neighborhood Housing Principles and weighting scores of the sites

## Professional Experiences

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### Operations Intern, *British American Tobacco, Bangladesh*

09/2022 – 11/2022

- Documenting to defend the Environmental, Health, and Safety Global Audit
- Preparing Standard Operation Procedures and Risk Assessment reports

Dhaka, Bangladesh

<b>Research Assistant, Inspira Advisory &amp; Consultancy Limited</b>	04/2021 – 10/2021
<i>Community-Based Approach to Address Urban Air Pollution, World Vision Bangladesh</i>	Dhaka, Bangladesh
<ul style="list-style-type: none"> <li>• Desk reviewing the existing Air Pollution solutions both local &amp; global</li> <li>• Executed Focus Group Discussions and Key Informant Interviews.</li> <li>• Organizing a national startup competition addressing Air Pollution</li> </ul>	

## Standardized Test Score

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<b>Graduate Record Examinations, (GRE General Test)</b>	08/2023
Overall 302   Quantitative 157   Verbal 145   Analytical Writing 3.0	
<b>International English Language Testing System, (IELTS Academic)</b>	03/2023
Overall 7.0   Listening 7.5   Reading 7.0   Writing 6.5   Speaking 6.5	


## Computer Literacy

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<b>Office Application</b>	<b>Statistical Software</b>
MS Office (Word, Powerpoint, Excel & Access)	SPSS
<b>Spatial Software</b>	<b>Programming Language</b>
ArcGIS 10.2, Google Earth Engine	Python, HTML, Javascript, CSS
<b>Data Analysis &amp; Visualization</b>	<b>Planning and Design</b>
Python Libraries, Tableau, Power BI	Sketchup, AutoCAD

## Certificates

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<b>Programming for Everybody (Getting Started with Python)</b> 
University of Michigan (offered by Coursera)

## Voluntary & Extra Curricular Activities

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<b>Campus Ambassador, International Supply Chain Education Alliance Bangladesh</b>	2021 – 2022
<b>President, KUET Career Club</b>	2020 – 2022
<b>Co-founder &amp; Organizing Secretary, KUET Business and Entrepreneurship Club</b>	2018 – 2020
<b>General Secretary, Sanatani Student's Welfare Association</b>	2018 – 2019
<b>Head of Management, Design Integrated Society of KUET</b>	2018 – 2019
<b>Head of Administration &amp; Logistics, Hult Prize at KUET</b>	2019
<b>Trainer, The Series Workshop on MS Excel, Kuet Career Club</b>	2019

## Awards & Achievements

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<b>Champion,</b>	2019
<i>Debate Competition, World Town Planning Day, Bangladesh Institute of Planners</i>	
<b>Champion,</b>	2019
<i>Business Case Study Competition, Plannation (National Planning Contest), KUET</i>	
<b>1st Runner-up, Business Case Study Competition, Ignition, KUET</b>	2019
<b>1st Runner-up, Business Case Study Competition, Builtech Fest, KUET</b>	2019

