



# Tanvir Mahmood

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## ABOUT ME

Technically proficient and deeply passionate about AI and the digital world, I excel in punctuality, strong time management, and embrace a 'can-do' attitude to drive success and innovation.

## WORK EXPERIENCE

### Research Associate

**Chittagong University of Engineering & Technology** [ 01/08/2023 – 01/12/2024 ]

City: Chattogram | Country: Bangladesh | Website: <https://tomorrowscities.org/>

#### Project: Tomorrow's Cities Multi-hazard Resilient and Equitable City in Bangladesh

- preparation of land use maps and policies for two different cities
- arrangement of participatory planning workshop
- site visit and surveys; preparation of hazard maps and DRR policies; report writing

### Assistant in Chattogram, for general matters and urban and transportation planning matters

**Yooshin Engineering Corporation** [ 19/02/2023 – 30/07/2023 ]

City: Chattogram | Country: Bangladesh | Website: <https://www.yooshin.com/>

#### Project: Transport Master Plan and Preliminary Feasibility Study for Urban Metro Rail Transit Construction of Chattogram Metropolitan Area

- conducting transportation surveys; preparation of existing transport routes
- site visit and meeting with stakeholders; preparing reports

### GIS Analyst

**Bangladesh Water Development Board** [ 01/08/2022 – 01/02/2023 ]

City: Lakshmipur | Country: Bangladesh | Website: <https://www.bwdb.gov.bd/>

#### Project: Protection work at the bank of Meghna River at Borokheri, Ludhuabazar and Kader Ponditer Hat areas in Ramgati and Kamal Nagar Upazila under Lakshmipur District

- geodatabase management,
- GIS mapping, and reporting

### Enumerator

**DevConsultants Limited** [ 01/07/2022 – 30/12/2022 ]

City: Chattogram | Country: Bangladesh | Website: <https://www.devconbd.com/>

#### Project: Bangladesh Climate/Urban Infrastructure Diagnostic Phase II (2021) Deep Dive; a project by IFC, a member of the World Bank Group (WBG)

- collecting several data from Chattogram WASA and Chattogram City Corporation (CCC)
- meeting with stakeholders

## EDUCATION AND TRAINING

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### Bachelor of Urban and Regional Planning

**Chittagong University of Engineering & Technology** [ 19/02/2017 – 02/08/2022 ]

City: Chattogram | Country: Bangladesh | Website: <https://www.cuet.ac.bd/> | Field(s) of study: Urban and Regional Planning | Final grade: 3.72 out of 4.00 | Level in EQF: EQF level 6 | Number of credits: 160 | Thesis: Identification of Suitable Bus Bay Location Using Capacity and Speed-Flow Relation to Reduce Traffic Congestion in Chattogram City

- courses on urban planning, regional planning, rural planning, transportation planning;
- Disaster management, environmental planning and management
- theory and sessional courses on GIS, Remote Sensing and Photogrammetry

### Higher Secondary Certificate

**Chittagong Cantonment Public College** [ 07/08/2014 – 18/08/2016 ]

City: Chattogram | Country: Bangladesh | Website: <https://ccpc.edu.bd/> | Field(s) of study: Science | Final grade: 5.00 out of 5.00 | Level in EQF: EQF level 5

### Secondary School Certificate

**Chittagong Cantonment Public College** [ 01/01/2013 – 17/05/2014 ]

City: Chattogram | Country: Bangladesh | Website: <https://ccpc.edu.bd/> | Field(s) of study: Science | Final grade: 5.00 out of 5.00 | Level in EQF: EQF level 4

## PUBLICATIONS

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[2024]

### Assessing River Bank Erosion and Accretion Along the Lower Part of the Meghna River Using GIS and Remote Sensing Techniques

Fahad, M. N. H., & Mahmood, T. (2024), BAUET Journal, 4(2), 1–11.

Link: <https://doi.org/10.59321/BAUETJ.V4I2.4>

[2022]

### Effects of Commercial Activities on Transportation Performance and Roadway Facilities in Urban Centers in Bangladesh: A Case Study on Oxygen to 2 No. Gate Road, Chattogram

Mahmood, T., Alam, S., Hossain, M., & Das, S. (2022). ISBN 978-984-35-1972-6.

Link: [http://iccesd.com/proc\\_2022/Papers/TRE-4473.pdf](http://iccesd.com/proc_2022/Papers/TRE-4473.pdf)

## THESIS

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[ 01/08/2021 – 29/06/2022 ]

### Identification of Suitable Bus Bay Location Using Capacity and Speed-Flow Relation to Reduce Traffic Congestion in Chattogram City

- Optimal site selection and design of bus bays in Chattogram City based on provision criteria, utilizing GIS tools for efficient analysis and implementation

## PROJECTS

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[ 01/12/2024 – Current ]

### Infrastructure-Induced Land Cover and Socio-Economic Shifts: Impact of Karnafuli Tunnel on Bairag Union, Chattogram

## VOLUNTEERING

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[ 01/04/2022 – 28/04/2022 ] Chattogram Development Authority

**Internship/Professional Attachment**

**Project: Evaluation of Open Spaces of Chattogram: A Case Study on DPZ- 03, 04, 05 & 06**

[ 01/07/2020 – 31/12/2021 ] Smartifier Training and Consultation

**Associate, Human Resources**

[ 01/2020 – 12/2022 ] CUET Debating Society

**Assistant Organizing Secretary**

[ 01/01/2019 – 01/01/2020 ] Bangladesh Youth Leadership Center

**Campus Ambassador**

## LANGUAGE SKILLS

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**Mother tongue(s):** Bengali

**Other language(s):**

**English**

**LISTENING C1 READING B2 WRITING B2**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

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MS Office / ArcGIS and ERDAS IMAGINE / AutoCAD / SPSS / Python Language - Basic knowledge

## HONOURS AND AWARDS

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[ 04/12/2021 ] ISCEA-International Supply Chain Education Alliance

**Certified Supply Chain Analyst (CSCA™)**

[ 14/08/2021 ] Bangladesh Organization for Learning & Development (BOLD)

**Certified Trainer-Training of Trainers**

*I hereby declare that all the information provided here is authentic.*

Chattogram, Bangladesh, 31/12/2024

*Tanvir Mahmood*

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