



# NUZHAT TABASSUM NAWSHIN

Cartographer | Geographer | Traveler | Photographer

[nawshin@wisc.edu](mailto:nawshin@wisc.edu) | +16089822068 | [www.linkedin.com/in/nt-nawshin](http://www.linkedin.com/in/nt-nawshin) | <https://ntnawshin.github.io/Portfolio/>

## Education

### Ph.D. Student (Cartography/GIS)

University of Wisconsin-Madison

August 2022 – present

Advisor: Prof. Dr. Robert E. Roth

### M.Sc. in Cartography

Technical University of Munich (TUM), Technical University of Vienna (TUW), Technical University of Dresden (TUD) and University of Twente (UT)

October 2017 – March 2021

Supervisor: Dr.-Ing. Mathias Jahnke

### B.Sc. in Geography and Environment

University of Dhaka, Bangladesh

January 2012 – August 2016

## Work Experience

### Teaching Assistant

Dept. of Geography, University of Wisconsin-Madison

Course: GEOG370 – Introduction to Cartography

(with Dr. William Gartner and Dr. Bill Limpisathian)

August 2022 – present

→ Teaching map design techniques in ArcGIS Pro and Adobe Illustrator, problem solving, grading, teamwork

### Geoinformation Tutor

Geoinformation lab, Cartography Chair, TUM, Germany

November 2019 – February 2020

(with Dr. Christian Murphy)

→ Designing learning materials for ArcGIS Pro, solving technical issues in lab

### Research Data Coordinator

Nazrul Islam Urban Studio, University of Dhaka, Bangladesh

February 2017 – March 2017

→ Spatial and socio-economic data management and analysis, making maps using ArcMap and SPSS for a government project on "Adaptation of Climate Change Induced Internally Displaced People of Dhaka City"

### IELTS Instructor

Mentors' Bangladesh

November 2016 – September 2017

→ Instructor of basic communicative English, mentoring students for the IELTS test

### GIS and Data Entry Associate

House of Consultants Ltd. (HCL), Bangladesh

March 2016 – October 2016

→ Physical attribute data organization in MS Access, digitizing and compiling mouza maps, managing vector and raster data, creating land use maps using ArcGIS Desktop, report writing, presenting with PowerPoint for a Town Infrastructure Development Plan under the Urban Development Directorate (UDD), Bangladesh

## Skills

**Software and tools:** ESRI ArcGIS software suite (Pro, Desktop, Online, StoryMaps), QGIS, MapboxStudio, ERDAS Imagine, Adobe Illustrator, Adobe Photoshop, MS Office suite (Word, Excel, PowerPoint, Access), Scribus, Visual Studio Code, Brackets, Android Studio (novice), PyCharm (novice)

**Programming skills:** Fundamental knowledge of PostgreSQL, HTML, CSS, JavaScript, Python, Java

**Languages:** English (C1), German (A2), Bengali (native), Hindi (conversational)

**Soft skills:** verbal and written communication, detail-oriented, organized, quick learner

## Selected Work

Available at- <https://ntnawshin.github.io/Portfolio/>

## Other Projects

**M.Sc. Thesis:** Formulating design recommendations for location-based storytelling in augmented reality

**B.Sc. Final Group Project:** Depicting Land use Pattern of Kurigram Municipality, BD by collection of land use and socio-economic data and creation of maps using ArcGIS Desktop

**"Design Challenge 2023" at UW Cartography Lab:** involved storytelling, creative idea generation, teamwork

**"Alpine Cartography Field School 2018" by TU Dresden:** fieldwork, workshops and presentations on georelief, glaciology, navigation, sketching Croquis, and making panoramic map using QGIS and Adobe Illustrator

**Mobile Cartography project:** developing a map-based Android app (team) for tourists using Java

**Web Mapping project:** creating a map-based website (team) using HTML+CSS and JavaScript

## Achievements and Activities

Erasmus Mundus Scholarship - Cartography M.Sc. program

Merit scholarship - Excellent academic performance at University of Dhaka

Certification course - Leadership and Professional Development at Bangladesh Youth Leadership Center

Winner (2014) and runner-up (2015) - group project display at National Environment Fair, Bangladesh

Event organizer and photographer - Dhaka University Environment Club (2012-2016)

Volunteer - Community Action, Bangladesh (2012-2016)