NUZHAT TABASSUM NAWSHIN

Cartographer | Geographer | Traveler | Photographer

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Education

Ph.D. Student (Cartography/GIS)   **August 2022 – present**
University of Wisconsin-Madison   **Advisor:** Prof. Dr. Robert E. Roth

M.Sc. in Cartography   **October 2017 – March 2021**
TU Munich, TU Vienna, TU Dresden and University of Twente   **Supervisor:** Dr.-Ing. Mathias Jahnke (TUM)

B.Sc. in Geography and Environment   **January 2012 – August 2016**
University of Dhaka, Bangladesh   **Supervisor:** Prof. Dr. Maksudur Rahman

Work Experience

Project Assistant   **August 2022 – present**
University of Wisconsin Sea Grant Institute   (with Dr. David A. Hart)
➔   Research and development of locative audio tours for green infrastructure practices in Milwaukee

Teaching Assistant   **August 2022 – present**
Dept. of Geography, University of Wisconsin-Madison
Course: GEOG370 – Introduction to Cartography   (with Dr. William Gartner and Dr. Bill Limpisathian)
➔   Teaching map design techniques in ArcGIS Pro and Adobe Illustrator, problem solving, grading, teamwork

Geoinformation Tutor   **November 2019 – February 2020**
Geoinformation lab, TU Munich, Germany   (with Dr. Christian Murphy)
➔   Designing learning materials for ArcGIS Pro, solving technical issues in lab

Research Data Coordinator   **February 2017 – March 2017**
Nazrul Islam Urban Studio, University of Dhaka, Bangladesh
➔   Spatial and socio-economic data entry and management, making maps for a government project on "Adaptation of Climate Change Induced Internally Displaced People of Dhaka City"

IELTS Instructor   **November 2016 – September 2017**
Mentors', Bangladesh
➔   Teaching basic communicative English, mentoring students for the IELTS test

GIS and Data Entry Student Associate   **March 2016 – October 2016**
House of Consultants Ltd. (HCL), Bangladesh
➔   Data organization in MS Access, digitizing and compiling mouza maps, writing and presenting reports for a Town Infrastructure Development Plan under the Urban Development Directorate (UDD), Bangladesh

Skills

Software: ESRI ArcGIS suite (Pro, Online, StoryMaps), QGIS, Mapbox, Adobe CC (Illustrator, Photoshop, InDesign), MS Office suite (Word, Excel, PowerPoint, Access), Scribus, Tableau, Carto, Unity (basic-AR, ArcGIS map SDK)
Programming languages: Fundamental knowledge of PostgreSQL, HTML, CSS, JavaScript, Python
Languages: English (C1), German (A2), Bengali (native), Hindi (conversational)

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" 2023-24 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

Activities and Attainments

Conference presentations – ICC 2023 (Cape Town), WLIA 2024 (Green Bay), AAG 2024 (Honolulu)
Scholarships – ICA scholarship (2023), Erasmus Mundus Scholarship (2017-2019), DU merit scholarship (2015)
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)