NUZHAT TABASSUM NAWSHIN

Cartographer | Geographer | Photographer | Traveler

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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

Work Experience

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 management and analysis, making maps (ArcMap and SPSS) for a government project on "Adaptation of Climate Change Induced Internally Displaced People of Dhaka City"

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

GIS and Data Entry Associate   March 2016 – October 2016
House of Consultants Ltd. (HCL), Bangladesh
➔ Data organization in MS Access, digitizing and compiling mouza maps, creating land use maps using ArcGIS Desktop, report writing, PowerPoint presentation 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)

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

Activities and Attainments

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)