NUZHAT TABASSUM NAWSHIN

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CAREER OBJECTIVE

Cartography & GIS graduate student passionate about geospatial technologies, data visualization, and user-centered design. Experienced with ArcGIS, GPS, and spatial data management, aiming to apply technical and collaborative skills to impactful mapping and asset management projects.

AREAS OF INTEREST

GIS Applications, Spatial Analysis, Geovisualization, Cartographic Design, Spatial Data Management

EDUCATION

Ph.D. Student (Cartography-GIS)
University of Wisconsin-Madison
August 2022 – ongoing
Current CGPA: 3.94
Advisor: Prof. Dr. Robert E. Roth

M.Sc. in Cartography
TU Munich, TU Vienna, TU Dresden and University of Twente
October 2017 – March 2021

B.Sc. in Geography and Environment
University of Dhaka, Bangladesh
January 2012 – August 2016

RELEVANT COURSES

Intro to GIS (Audited and taught), GIS Applications (Audited), Introduction to Geocomputing (Python), Spatial Database, Interactive Cartography & Geovisualization, Geoinformation

WORK EXPERIENCE

Lecturer (SA)   **August 2025 – ongoing**
Dept. of Geography, UW-Madison
Course: Introduction to Cartography
- teaching fundamentals of designing, producing and critiquing maps

Teaching Assistant
Dept. of Geography, UW-Madison
Course: Introduction to GIS   **Spring 2025**
- taught spatial data management, analysis and GIS workflows
Course: Introduction to Cartography   **Fall 2022, Spring 2023**
- taught geospatial data visualization using ArcGIS Pro and Adobe Illustrator

Project Assistant   *May 2023 – December 2024*
University of Wisconsin Sea Grant Institute
- collected and integrated GPS coordinates to develop a locative audio walking tour app, enhancing environmental learning and accessibility

Student Cartographer   *Summer 2022, 2023, 2024*
University of Wisconsin Cartography Lab
- prepared and maintained geospatial datasets, producing custom cartographic products for university and external clients and coordinated with peers to exchange feedback

Geoinformation Lab Tutor   **November 2019 – February 2020**
Geoinformation lab, TUM, Germany
- designed ArcGIS Pro tutorials and mentored students in hands-on GIS labs including GPS data collection and integration into ArcGIS

GIS and Data Entry Associate   **March 2016 – October 2016**
House of Consultants Ltd. (HCL), Bangladesh
- managed and digitized large spatial datasets to produce authoritative maps for Urban Development Directorate (UDD), Bangladesh, supporting land use planning and asset management decisions

SKILLS

GIS & Mapping: ArcGIS (Pro, Online, StoryMaps, Experience Builder); QGIS; Mapbox Studio; Carto; MS Excel

Data & Programming: Python (fundamentals), JavaScript (fundamentals), HTML/CSS, PostgreSQL

Design & Visualization: Adobe Illustrator, Photoshop, InDesign; Figma; Unity (basics), Unreal Engine (3d modeling basics)

Languages: English (C2), German (A2), Bengali (native), Hindi (conversational)

PUBLICATIONS & PRESENTATIONS

- Co-editor, *Atlas of Sustainability* (ICA, 2025); multiple abstracts in international cartography-GIS proceedings
- Presented research at international conferences (ICC 2025, LBS 2025, AAG 2024, WLIA 2024, ICC 2023)

ACHEIVEMENTS

- **Honors -** CaGIS Intl. Travel Grant (2025, 2023); ICA Scholarship (2025, 2023); NSF Scholarship (2024); Erasmus Mundus Scholarship (2017-19)
- **Volunteer & Service -** CartLab outreach, Geograds executive, NACIS, ICA UX commission, DU environmental club, CommunityAction Bangladesh