Sanzida Rahman Setu

382 Westgate St, Iowa City, IA 52246
sanzidarahman-setu@uiowa.edu | www.linkedin.com/in/sanzida-rahman-setu

EDUCATION

M.S. in Urban and Regional Planning   **Expected May 2025**
School of Planning and Public Affairs
University of Iowa, Iowa City, IA

Bachelor of Urban and Regional Planning   **May 2017**
Khulna University of Engineering & Technology
Khulna, Bangladesh

SOFTWARE SKILLS

- Documentation/Presentation: Microsoft Office
- Mapping: ArcGIS Pro, QGIS, ObservableHQ
- Design/Graphics: Adobe InDesign
- Statistical Analysis: STATA
- Audio/Videography: OpenShot
- Programming Language: R

WORK EXPERIENCE

Planning Intern   **September 2024 – Present**
Neighborhood & Development Services Department, City of Iowa City, IA
- Assist the team in updating City GIS database, comprehensive plan; review requirements for state preemption, open space calculation and zoning research
- Review subdivision and rezoning applications, generating approval process
- Prepare GIS maps, staff reports and historic preservation presentations

Teaching Assistant (Contemporary Environmental Issues)   **August 2024 – Present**
Geographical and Sustainability Sciences, University of Iowa, Iowa City, IA
- Facilitate student discussion sessions with 75 students
- Review course materials and assisting students on environmental concepts and GIS techniques
- Grade assignments and exams using independent judgement

Teaching Assistant (Applied GIS)   **January 2024 – May 2024**
School of Planning and Public Affairs, University of Iowa, Iowa City, IA
- Assisted the students in lab session with geospatial concepts & techniques
- Reviewed course materials and troubleshooted technical issues
- Graded assignments and student project work using independent judgement

Research Assistant   **January 2023 – December 2023**
School of Planning and Public Affairs, University of Iowa, Iowa City, IA
- Collected data and conducted literature reviews for research on public trust in drinking tap water in the US, transportation equity and Naturally Occurring Retirement Communities (NORC).
- Conducted data analysis using Topic Modeling method in R Studio
- Developed project materials such as GIS maps, tables and graphs for research projects.

Senior Program Officer – Knowledge Management   **August 2021- August 2022**
Caritas Bangladesh, Dhaka, Bangladesh
- Developed Knowledge Management Plan for three neighborhoods under a hazard mitigation project
- Coordinated and provided technical support for the project's external environmental research
- Conducted in-person surveys, qualitative and quantitative data analysis and captured project success
- Supervised two employees

Staff Officer - Disaster Response   **February 2019 - August 2021**
Bangladesh Red Crescent Society, Dhaka, Bangladesh
- Prepared reports and presentations to support disaster response operations.
- Assisted in project planning and monitoring
- Developed and maintained project database.

Engineer – GIS & Strategy   **October 2017- January 2019**
Fiber@Home Ltd., Dhaka, Bangladesh
- Developed maps of nationwide fiber network and geodatabase in ArcGIS
- Assessed feasibility of fiber path in ArcGIS and QGIS

PROJECT WORK
- "Transportation Opportunity Plan" for the City of Burlington and West Burlington, IA
  - Planning an inclusive, multimodal transportation system integrating active transportation and complete street policies. Working collaboratively with graduate students, city officials and residents to identify the unique challenges and opportunities to leverage existing infrastructure, address barriers, and propose strategies to advance transportation equity, advancing sustainable land use practices.

- A Feasibility Assessment of the Mayur River and its Connected Canals as Fresh Water Reservoirs in Khulna City, Bangladesh
  - Determined the quantity of surface water and investigated the impacts of water retention canals and rivers on surrounding ground water table.
  - Performed a cost benefit analysis, using a combination of statistical, empirical methods and GIS techniques.

AWARD
Grand Prize and First Place   **April 2024**
2024 IIPHRP Global Public Health Case Competition, University of Iowa
- Worked as part of an interdisciplinary team on project "Sustainable Communities and Nutrition Concerns in Homa Bay, Kenya".
- Proposed a multifaceted solution addressing food and economic insecurity, supply chain issues, cultural implications, health concerns, climate change, gender-based issues, and environmental impacts.

TRAINING AND COURSES
Data Visualization with Advanced Excel   **June 2020**
PricewaterhouseCoopers LLP (Online)

Project Management: The Basics for Success   **June 2020**
University of California (Online)

Training on Advanced Modules of GIS   **May 2018**
Bangladesh Institute of Planners (BIP)

CERTIFICATION
Certificate in Transportation Planning   **Expected May 2025**
School of Planning & Public Affairs, University of Iowa

AFFILIATIONS
Member, American Planning Association   **August 2023 – Present**

PORTFOLIO
https://sanzidarahmansetu.owlstown.net