

Hojaifa Hossain Khan

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Denton, TX

PROFESSIONAL SUMMARY

Experienced in geospatial database creation, management, and analysis, with a strong background in handling spatial data for various applications. Skilled in designing informative and interactive maps to enhance data visualization, supporting decision-making.

WORK EXPERIENCE

Graduate Teaching Assistant

Sep. 2023–Aug. 2025

Department of Geoscience, Texas Tech University

Courses: Intro to GIS, Remote Sensing of the Environment, Exploring Spatial Database

- Provided guidance and training in labs, assisted in spatial analysis using ArcGIS, ENVI, and PostgreSQL
- Troubleshot software issues and prepared instruction manual for lab operation

Junior Urban Planner

Mar. 2020–Jul. 2023

JPZ Consulting Ltd, Bangladesh

- Assisted in conducting Feasibility Study and report writing of four new railway lines
- Prepared & maintained spatial database in GIS ensuring data accuracy for analysis and reporting
- Supported Resettlement Action Plan (RAP) preparation through spatial analysis and map development
- Identified and mapped topographic features, infrastructure, rights-of-way, and utility networks using GIS and AutoCAD
- Designed and monitored field survey activities, ensuring data quality and alignment with project objectives
- Prepared thematic and informative maps for visualization and better communication

Research Assistant

Nov. 2019–Feb. 2020

Disaster Management Watch, Bangladesh

- Conducted desk review to gather relevant background information for project planning
- Designed and implemented data collection tools for field surveys using GPS devices and KoboToolbox, ensuring accurate and efficient data gathering
- Prepared and updated maps regularly to support efficient planning process
- Represented the GIS unit in cross-functional meetings, contributing geospatial insights to support agency-wide initiatives
- Reviewed and validated geographic data from aerial imagery, maps, and local databases

EDUCATION

TEXAS TECH UNIVERSITY, Lubbock, TX

M.Sc. in Geography

August 2025

Awards: Gary Elbow Scholarship, Templar Scholarship

RAJSHAHI UNIVERSITY OF ENGINEERING & TECHNOLOGY, Rajshahi, Bangladesh

Bachelor of Urban & Regional Planning

July 2019

SKILLS

Spatial Analysis: ArcGIS, QGIS, ERDAS, ENVI, Jupyter, R, PostgreSQL, Civil 3D

Microsoft: Word, Excel, PowerPoint, R, Civil 3D, AutoCAD, Civil 3D

Organizational: Patience, Critical thinking, Team player, Punctuality

CO-CURRICULAR ACTIVITIES

Vice-President

RUET Debating Club

Organized debate festival, managed logistics, outreach, and event execution. Trained and mentored new debaters, fostering public speaking, critical thinking, and teamwork skills.