KAZI JIHADUR RASHID

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WORK EXPERIENCE:

Research Consultant, Remote Sensing Division, Center for Environmental and Geographic Information Services (CEGIS) *May 2020 - Present*

Key Achievements:

- Successful completion of settlement, river/canal & road network extraction for whole Bangladesh from high resolution satellite images.
- Error management using topology tools for achieving highest accuracy, and updating geodatabase

Research Assistant, Dr Md. Atiqur Rahman's Lab, Dept. of GES, CU *Mar 2019 – Apr 2020*

Key Achievements:

- Successful completion of two university funded projects
- Contribution in several journal/conference article, book chapter, and thesis

Research Consultant, Child Protection Sector (HCMP), BRAC *Jul 2018 – Sep 2018*

Key Achievements:

- Building geodatabase of CFSs & AFSs with high precision locational data
- Identified vulnerable infrastructures to floods and landslides

Research Assistant, Dr Alak Paul's Lab, Dept. of GES, CU *Dec 2017 – Jul 2018 / Sep 2018 – Feb 2019*

Key Achievements:

- Extracted and processed primary data for two qualitative research projects with highest accuracy

SKILLS:

- Software/Web: ArcGIS, QGIS, Google Earth Engine, CropWat, KOBO Toolbox, MS Office
- Programming: R, SQL/MySQL

EDUCATION:

BSc in Geography & Environmental Studies, University of Chittagong, Chattogram *2014 – 2018*

R Programming, Johns Hopkins University (via Coursera) *May 2020*

Imagery, Automation, and Application, University of California, Davis (via Coursera) *Aug 2019*

Geospatial and Environmental Analysis, University of California, Davis (via Coursera) *May 2019*

GIS Data Format, Design and Quality, University of California, Davis (via Coursera) *Dec 2018*

GIS and Its Application, Center for River, Harbor & Landslide Research, CUET *Mar 2018*

RESEARCH WORK:

• Spatiotemporal changes of vegetation and land surface temperature in the refugee camps and its surrounding areas of Bangladesh after the Rohingya influx from Myanmar.

• Spatio-temporal Change Detection of Urban Surface Water Bodies in Chattogram City using GIS and Remote Sensing Techniques

• Spatial Concentration of Educational and Medical Facilities within Chattogram City (Chattogram City: Geographical Survey)

• Increasing Temperature, Water, Sanitation & Hygiene Conditions, and Health Outcomes of Rohingya Refugees and Local People in Southern Bangladesh

• Ecological Impact Evaluation of Urban Heat Island in Dhaka City: A Spatio-temporal approach