

# KAZI JIHADUR RASHID

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## Work Experience

### Technical Assistant

Remote Sensing Division, Center for Environmental and Geographic Information Services (CEGIS) *May '20 - Present*

#### Responsibilities:

- On-screen digitization and feature extraction from satellite images
- Visual interpretation and analysis of satellite images
- ESRI supported GIS Shapefiles preparation, editing, and topology building
- Updating geodatabase

### Research Assistant

Dr. Atiqur Rahman's Lab, Dept. of GES, CU *Mar '19 - Apr '20*

#### Responsibilities:

- Collection of primary and secondary data from various sources
- Processing, analysis, and interpretation of geospatial, historical, and survey data
- Presentation of analyzed data in tables, graphs, and maps
- Reviewing literature and writing of research reports

### Research Consultant

Child Protection Sector (HCMP), BRAC *Jul '18 - Sep '18*

#### Responsibilities:

- Collection of GPS coordinates of the Child-Friendly Spaces (CFS) along with a third eye observation about the present infrastructural conditions and the surrounding environment
- Geospatial and statistical analysis of collected data to measure the physical and social vulnerabilities of the CFS centers
- Identifying CFSs prone to flood and landslides

### Research Assistant

Dr. Alak Paul's Lab, Dept. of GES, CU *Dec '17 - Jul '18 / Sep '18 - Feb '19*

#### Responsibilities:

- Collection of primary data from survey, group discussion, key informants
- Tabulation, analysis, and visualization of data in tables, graphs, and maps
- Literature review and writing of research proposals

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## Technical Skills

- **Software/web:** ArcGIS, QGIS, Google Earth Engine, SPSS, Kobo Toolbox, MS Office
- **Programming:** R, SQL/MySQL

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## Education & Certifications

### BSc in Geography & Environmental Studies

University of Chittagong, Chattogram *2014 -2018*

### R Programming

Johns Hopkins University (via Coursera) *Apr 2020 - May 2020*

**Imagery, Automation, and Application**

University of California, Davis (via Coursera)

Jul 2019 - Aug 2019

**Geospatial and Environmental Analysis**

University of California, Davis (via Coursera)

Apr 2019 - May 2019

**GIS Data Format, Design and Quality**

University of California, Davis (via Coursera)

Nov 2018 - Dec 2018

**GIS and Its Application**

Center for River, Harbor &amp; Landslide Research (CRHLSR), CUET

Feb 2018 - Mar 2018

**Research Articles**

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- **Rashid, K.J.**, Hoque, M. A., Esha, T. A., Rahman, M. A., & Paul, A. (2020). Spatiotemporal changes of vegetation and land surface temperature in the refugee camps and its surrounding areas of Bangladesh after the Rohingya influx from Myanmar. *Environment, Development and Sustainability*, 1–16. <https://doi.org/10.1007/s10668-020-00733-x>
- Akter, T., **Rashid, K.J.** (2020, Dec 27). Spatio-temporal Change Detection of Urban Surface Water Bodies in Chattogram City using GIS and Remote Sensing Techniques, 4th International Conference on Bangladesh Environment (ISBEN-4), Dhaka.
- Mahmud, A., **Rashid, K.J.**, Javed, M.A., Paul, A. (2020). Spatial Concentration of Educational and Medical Facilities within Chattogram City. In: *Chattogram City: Geographical Survey*, 1st ed. Dhaka: Centre for Urban Studies & Academic Press & Publishers Library. Under publication.
- Paul, A., Hoque, M.A., Mahmud, A., Esha, T.A., **Rashid, K.J.**, Nath, T.K. (2020). Increasing Temperature, Water, Sanitation & Hygiene Conditions, and Health Outcomes of Rohingya Refugees and Local People in Southern Bangladesh. Manuscript submitted for publication.
- **Rashid, K.J.**, Islam, S., Rahman, M. A. (2021) Ecological Impact Evaluation of Urban Heat Island in Dhaka City: A Spatio-temporal approach. Manuscript submitted for publication.

**Projects**

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**Non Academic:**

- Spatio-Temporal Investigation of the Lightning, Related Fatalities and Options to Mitigate the Losses under the Changing Climate of Bangladesh *May 2019 - Dec 2020*
- Assessment of Future Changes in Irrigation Demand of Boro Rice in Brahmaputra-Jamuna Floodplain of Bangladesh Using Observed and Model Data *May 2019 - Oct 2019*
- Physical Vulnerability Assessment of Child-Friendly Spaces (CFS) at the Rohingya Refugee Camp, Cox's Bazar *Jul 2018 – Sep 2018*

**Academic:**

- Impacts of Environmental Degradation on St. Martin's Island: A Geo-Environmental Study *Nov 2018 – Jan 2019*
- Farmer's Perception of Climate Change and Its Impact on Agriculture and Soil in the Hilly Regions of Bangladesh: The Case of Bandarban District *Nov 2017 – Jan 2018*
- The Livelihood of People Surrounding Kaptai Lake as well as Community-Based Tourism in Rangamati, Bangladesh *Dec 2016 – Jan 2017*
- Water Security in Urban Poor Areas of Sylhet City: A Geographical Study *Nov 2014 – Jan 2015*

## References

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**Bebek Kanti Das**

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