

# Kazi Jihadur Rashid

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## Work Experience

### Technical Assistant

Remote Sensing Division, Center for Environmental and Geographic Information Services (CEGIS) *May 2020 - 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 Geography and Environmental Studies, University of Chittagong *May 2019 - Apr 2020*

#### Responsibilities:

- Collection of primary and secondary data from various sources
- Processing and interpretation of geospatial, historical, and survey information
- Visualization of analyzed data in tables, graphs, and maps
- Literature review and writing of research reports

### Research Consultant

Child Protection Sector, BRAC *Jul 2018 - Sep 2018*

#### 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
- Submission of a research report based on the survey

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## Technical Skills

- **Software/web:** ArcGIS, QGIS, Google Earth Engine (Beginner), SPSS, KOBO Toolbox, MS Office
- **Programming:** R, SQL (Beginner)

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## Education & Certifications

### BSc in Geography & Environmental Studies

University of Chittagong, Chattogram *2014 -2019*

### 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 & Landslide Research (CRHLR), CUET

*Feb 2018 - Mar 2018*

## Publications

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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.
- 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.
- Mahmud, A.; **Rashid, K.J.**; Javed, M.A.; Paul, A. (2020). Spatial Concentration of Educational and Medical Facilities within the City of Chittagong. In: *Chattogram City: Geographical Study*, 1st ed. Dhaka: Centre for Urban Studies & Academic Press and Publishers Library. Manuscript Accepted.

## Research 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*
- Spatio-Temporal Impact Evaluation Of Urban Heat Island In Dhaka City *Aug 2020 - Dec 2020*
- Impact Assessment of Urban Cooling Island Variation on Surface Urban Heat Island and Land Surface Temperature: A Spatio-Temporal Analysis in Chittagong City *Nov 2019 - Mar 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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**Dr. Alak Paul**

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**Dr. Md. Atiqur Rahman**

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Environmental Studies, University of Chittagong  
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