

# KAZI JIHADUR RASHID

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## WORK EXPERIENCE

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### 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 Md. Atiqur Rahman's Lab, Dept. of GES, CU

*Mar 2019 - Apr 2020*

#### 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 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
- Identifying CFSs prone to flood and landslides

### Research Assistant

Dr Alak Paul's Lab, Dept. of GES, CU

*Dec 2017 - Jul 2018 / Sep 2018 - Feb 2019*

#### Responsibilities:

- Collection of primary data from surveys, group discussions, key informants
- Tabulation of data in xlsx/sav formats
- Literature review and writing of research proposals

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## TECHNICAL SKILLS

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

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## EDUCATION & CERTIFICATIONS

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### 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

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**RESEARCH ARTICLES**

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- 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>
- 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.
- 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.
- Increasing Temperature, Water, Sanitation & Hygiene Conditions, and Health Outcomes of Rohingya Refugees and Local People in Southern Bangladesh. Manuscript submitted for publication.
- Ecological Impact Evaluation of Urban Heat Island in Dhaka City: A Spatio-temporal approach. Manuscript submitted for publication.

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**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, Cox20s Bazar *Jul 2018 – Sep 2018*

**Academic:**

- Impacts of Environmental Degradation on St. Martin20s Island: A Geo-Environmental Study [Final year]
- Farmer20s Perception of Climate Change and Its Impact on Agriculture and Soil in the Hilly Regions of Bangladesh: The Case of Bandarban District [3<sup>rd</sup> year]
- The Livelihood of People Surrounding Kaptai Lake as well as Community-Based Tourism in Rangamati, Bangladesh [2<sup>nd</sup> year]
- Water Security in Urban Poor Areas of Sylhet City: A Geographical Study [1<sup>st</sup> year]

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**REFERENCES**

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**Dr Md. Atiqur Rahman**

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**Bebek Kanti Das**

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