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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, topology building, and updating geodatabase

**Research Assistant**, Dept. of Geography and Environmental Studies, University of Chittagong, Chattogram *May 2019 - April 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, maps, 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

### **SKILLS:**

- Software/Web: ArcGIS, ArcGIS Online, QGIS, Google Earth Engine (Beginner)
- Programming: R, SQL (Beginner)

### **EDUCATION:**

<b>BSc in Geography &amp; Environmental Studies</b> , University of Chittagong, Chattogram	<i>2014 – 2019</i>
<b>R Programming</b> , Johns Hopkins University (via Coursera)	<i>May 2020</i>
<b>Imagery, Automation, and Application</b> , University of California, Davis (via Coursera)	<i>Aug 2019</i>
<b>Geospatial and Environmental Analysis</b> , University of California, Davis (via Coursera)	<i>May 2019</i>
<b>GIS Data Format, Design and Quality</b> , University of California, Davis (via Coursera)	<i>Dec 2018</i>
<b>GIS and Its Application</b> , Center for River, Harbor & Landslide Research, CUET	<i>Mar 2018</i>

### **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. *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 the City of Chittagong. In: *Chattogram City: Geographical Study*, 1st ed. Dhaka: Centre for Urban Studies & Academic Press and Publishers Library. Manuscript Accepted.
- Increasing Temperature, Water, Sanitation & Hygiene Conditions, and Health Outcomes of Rohingya Refugees and Local people in Southern Bangladesh. Manuscript submitted for publication.