

# Gowsigan Sritharan

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## PROFILE

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Self motivated individual seeking an opportunity to work with Geographic Information Systems (GIS) across various fields particularly in the environmental industry where I can positively contribute to an organization and further develop my knowledge/skills to effectively apply them in future career endeavors.

## PRACTICAL & TECHNICAL SKILLS

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- Environmental Research/Lab/Field Skills    - PCI Geomatica (Remote Sensing)    - SQL & SQL Server  
- ArcGIS Suite & ESRI Products    - Python & GIS Programming/FME    - AutoCAD 2020  
- MS Office Products & R    - HTML, CSS & JavaScript/jQuery    - Data Analysis & Management

## EDUCATION

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**Post-Grad Certificate, Geographic Information Systems Application Specialist** **2021**  
Fleming College, Peterborough ON

- Able to explore, identify and analyze geospatial problems and develop solutions and validate results.
- Learned of various fundamental techniques and software's used for capturing, analyzing, structuring and displaying geographic/spatial data.
- Gained knowledge and expertise in relation to spatial analysis, remote sensing, computer programming (python and web design), cartography & geovisualization, geodesy & environmental modeling, surveying and GIS database principles.

**Bachelor of Science in Environmental Science** **2014 – 2018**  
University of Guelph, Guelph ON

- Great ability to collect and analyze environmental data and information and propose potential solutions.
- Effectively able to address an extensive range of environmental issues including soil and water conservation, greenhouse gas mitigation, plant disease management and chemical movements throughout the environment.
- Developed a thorough understanding of numerous relevant subject matters such as environmental chemistry & toxicology, soil science & conservation, hydrology & groundwater, watershed management and environmental agriculture.

## RELEVANT EXPERIENCE

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**Web Design & Development Volunteer, Bit by Bit Coding** **January 2021 - Present**

- Maintain and update our central website
- Find new ways to improve reach and engagement through design and quality content (such as a blog or resources page)

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## **Mentee, URISA's GISCorps (Mentoring Network)**

**January 2021 - Present**

- Connected with Michele Mascia (on LinkedIn) - <https://www.linkedin.com/pulse/short-report-animal-census-wwf-michele-mascia/>
- Assisted him with this project with WWF on a deer census for the natural reserve Monte Arcosu in Sardinia (Italy)
- Receptive feedback and open to learning new skills that their Mentor may offer

## **Volunteer Map Editor (Remote), U.S. Geological Survey (USGS)**

**November 2020 – Present**

- Using custom online map editor to collect, modify, delete, and verify structures data.
- Use online maps and map search engines as supporting resources to pinpoint and identify locations.

## **Mapping Volunteer (Remote), Humanitarian OpenStreetMap's Team**

**May 2020 – Present**

- Mapping tasks such as creating/digitizing base maps via tracing buildings, roads and waterways
- Assisted in data processing and other visualization duties using the Tasking Manager.
- Validation done to check OSM data/maps to ensure completion, accuracy and able to meet all requirements of OSM features and tagging.

## **Volunteer Content Writer (Remote), CrisisMappers**

**June 2020 – Present**

- Primarily created blog content for the CrisisMappers website, in relation to crisis mapping including global humanitarian efforts, GIS/mapping technology & software and relevant news/events.
- My work can be viewed by searching my name on the CrisisMappers website.

## **Citizen Scientist, Toronto & Region Conservations Authority**

**April – July 2018**

Brampton, ON - Heart Lake Road Ecology Monitoring Project

- Worked with field data near Heart Lake with objective of recording wildlife-vehicle collision sites (WVC's), notable wildlife along roads, species proximity to roads and alive/dead status.
- Made use of GPS units to determine UTM co-ordinates and visual photography (camera/phones) was taken to provide visual reference for data analysis. Currently a community volunteer for the TRCA.

## **WORK EXPERIENCE**

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### **Operations Service Officer I, TD Bank Group**

**May 2018 – May 2019**

Mississauga, ON

- Provided a broad range of operational support for clients (data entry/customer service), performing general-specialized transactions and processing activities (i.e. processing wires and 3<sup>rd</sup> party credit checks).
- Supported partner relationships and held accountable for maintaining operational effectiveness to ensure business objectives are met. Delivered subject matter expertise for internal and external parties.

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## MEMBERSHIP

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**BeSpatial/URISA Ontario, Student Member**

**May 2020 – Present**

- Offered existing skills, experiences and knowledge by contributing to support and add value to the GIS community in Ontario.
- Involved in professional networking opportunities at a leadership level and to use management/organizational skills at the community level.