

Enthusiastic Geospatial professional with hands-on experience in field data collection and GIS projects. Skilled in ArcGIS StoryMaps, QGIS analysis, and map production. Demonstrates strong communication, creative problem-solving, and a commitment to producing high-quality geospatial deliverables.

Technical Proficiencies

ESRI ArcGIS Suite | Field Maps | Survey123 | StoryMaps | Model Builder | QGIS | Python | SQL | GNSS/GPS Emlid Flow | Pix4Dmapper | MS Office | Excel | Word | Outlook | Jira Agile PM

Professional Experience

Data Visualization, Community Conservation and Geospatial Mapping
National Geographic Society + The Nature Conservancy Remote Internship, *Extern*

Sept 2024 - Nov 2024
USA

- Conducted a GIS-based analysis of London, Ontario's flood-prone areas, focusing on community awareness.
- Designed and implemented community surveys via ESRI's Survey123, gathering 20+ responses on flood awareness.
- Created an interactive ESRI's StoryMap exploring London through the Thames River, integrating 5+ GIS layers, such as flood risk zones, water bodies, and regulated areas, to highlight vulnerabilities and propose solutions.
- Strengthened technical skills in digital cartography mapping, data visualization, and digital storytelling while fostering community engagement.

Sales Associate (Part-Time)
7-Eleven

Feb 2024 – Dec 2024
London, ON

- Communicating with over 300+ customers daily to ensure a positive shopping experience.
- Excelled in a fast-paced environment, adapting quickly to changing demands and efficiently managing multiple tasks simultaneously.
- Collaborated effectively with a diverse team, sharing responsibilities and supporting colleagues to achieve team goals.

Drone Operations and Data Processing and Analysis Technician
Ashkam Energy Pvt, Ltd

Sep 2022 – July 2023
India

- Optimized Field Data Collection - Employed drone technology to gather high-resolution imagery for 10+ marine, offshore, and renewable energy projects, streamlining spatial data capture and enhancing data integrity through robust QA/QC processes.
- Geospatial Aerial Analysis & Cost Savings - Processed and analyzed drone-derived datasets in Pix4DMapper/QGIS, providing actionable insights that boosted client decision-making and yielded a 12% average reduction in project costs through improved accuracy and efficiency.

Project

Landscape Ecology – Forest Regeneration | QGIS

2025

- Analyzed ~9,000 hectares of woodlot data in QGIS and identified 3,350 hectares (High Priority) & 11,315 hectares (Medium Priority) for restoration.
- Utilized buffer, difference, circle (centroid) analyses, and road proximity exclusion to map optimal regeneration zones.
- Produced a final cartographic layout and workflow infographic summarizing total reforestation areas.

Flood Risk Awareness StoryMap | ESRI ArcGIS Online, Survey123

2024

- Designed an interactive StoryMap that explores London, Ontario, through the Thames River, highlighting its history, ecological role, and vulnerability to flooding.
- Visualized community survey results, revealing critical gaps in flood awareness—66.67% unaware of floodplain status, 95.24% lacking emergency flood plans—and proposed strategies to enhance preparedness.
- Proposed 4+ actionable solutions, including flood awareness programs, green infrastructure, and fostering community resilience.

Education

Geographic Information Systems (GIS) (Co-op) | Fanshawe College, School of Design, London, ON
Remotely Piloted Aerial Systems | Fanshawe College, Norton Wolf School of Aviation, London, ON
Bachelor of Technology in Aeronautical Engineering | Manipal Institute of Technology, Udupi, India

Sept 2024 - Aug 2025
Sept 2023 - April 2024
Aug 2016 – July 2020