ARYAN SRIVASTAVA

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Link to my recent StoryMap: https://storymaps.arcgis.com/stories/ed2d83cda7c04a9d81469677a677a744

EDUCATION

Fanshawe College, School of Design, London, Ontario, Canada — **August 2025**
Geographic Information Systems (GIS) (Co-op), *Ontario Graduate Level Certificate* — CGPA: 3.42/4.2

Fanshawe College, Norton Wolf School of Aviation, London, Ontario, Canada — **May 2024**
Remotely Piloted Aerial Systems-Commercial Operations, Ontario Graduate Level Certificate — CGPA: 3.97/4.2

Manipal Institute of Technology, India — **July 2020**
Bachelor of Technology in Aeronautical Engineering — CGPA: 6.2/10

EXPERIENCE

National Geographic Society + The Nature Conservancy Remote Internship, *Extern* **(Sept 2024 – Nov 2024)**

- Conducted a GIS-based analysis of London, Ontario's flood-prone areas, focusing on community awareness.
- Designed and implemented community surveys via Survey123, gathering 20+ responses on flood awareness.
- Created an interactive 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 GIS mapping, data visualization, and digital storytelling while fostering community engagement.

Sales Associate, *7-Eleven* (Part-Time) **(Feb 2024 - Present)**

- Provided high-quality customer service, effectively 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 and maintain store operations.

Drone Operations and Data Analysis Engineer, *Ashkam Energy Pvt. Ltd* **(Sep 2022 – July 2023)**

- Utilized Unmanned Aerial Systems (UAS) to capture high-resolution imagery and accurate data for 10+ marine, offshore, and renewable energy projects, improving data acquisition efficiency by 32% compared to traditional methods.
- Analyzed collected drone data to deliver actionable insights that optimized client decision-making, resulting in 12% cost savings on average for projects through innovative solutions and improved data accuracy.

Drone Cinematographer and Video Editor, *Fetch Media & Consulting* **(Jan 2022 – Aug 2022)**

- Captured high-quality aerial footage for 30+ brands across diverse sectors, including fashion, retail, e-commerce, hospitality, travel, and art & design. Produced content that boosted brand visibility by 40% and contributed to successful marketing campaigns, increasing overall customer engagement by 25%.
- Collaborated with media outlets and influencers to amplify brand promotion for 25+ lifestyle and luxury brands, resulting in an increase of 38 % in social media engagement and 15% in follower growth across platforms.

PROJECT

Flood Risk Awareness StoryMap | *ArcGIS Online, Survey123, Esri StoryMaps* **(Oct 2024 – Nov 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 improved stormwater drainage, fostering community resilience.
- Presented the StoryMap, combining visual storytelling with GIS insights to effectively communicate flood risk mitigation strategies.

Thermal Roof Inspection | *FLIR Tools* **(Mar 2024–April 2024)**

- Leveraged infrared technology to identify roofing flaws not immediately visible to the naked eye. Utilized the DJI Matrice 300 RTK drone with Zenmuse XT payload for precise thermal scanning.
- Employed FLIR Tools software to analyze thermal images, successfully detecting 4 anomalies on the roof of the building.

Drone Survey and Topography Mapping Project | *Pix4D, QGIS* **(Jan 2024 – Feb 2024)**

- Conducted a comprehensive survey and mapping project using drone imagery, capturing high-resolution 2D images of the college field. Utilized Pix4D to convert 2D drone images into detailed 3D models, ensuring accuracy by matching control points.
- Generated Digital Terrain Models (DTM) and Digital Surface Models (DSM) from processed data. Employed QGIS to create contour lines from DTM and DSM data, facilitating detailed topographic analysis.
- Ensured precise geospatial data collection and analysis through the integration of control points and advanced photogrammetry techniques.

TECHNICAL SKILLS

Software and Languages: ArcGIS, QGIS, Pix4Dmapper, SQL, Reality Capture, Emlid Flow, FLIR Tools, Object Oriented Programming C#, LiDAR360, Python