

# Lakshay Sharma

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## SUMMARY

Detail-oriented and innovative Computer Science graduate with a strong background in DSA, web development, automation, and data analysis. Proven ability to optimize processes, drive engagement, and deliver solutions across diverse projects and teams.

## EDUCATION

### Bachelor of Science (BSc.) in Computer Science York University

**Toronto, ON**  
Jan 2020 - Jan 2024

- Recipient of York University International **Scholarship of Merit** for three consecutive terms.

## SKILLS

- **Programming Languages:** Java, Python, C, SQL, HTML/CSS, JavaScript, PHP, Fortran
- **Technical Tools:** Git, VBA, VS Code, Eclipse, RESTful APIs, SAP, ArcGIS, MS Office, ChatGPT, Llama3
- **Generative AI:** Experience in using Generative AI for coding, debugging, and task automation, familiar with prompt engineering.

## EXPERIENCE

### Telecom Operations Co-op Hydro One

**Toronto, ON**  
Jan 2022 – April 2023

- Successfully executed the migration of automated audit reports from Granite to Adaptive Inventory using VBA and REST API.
- Developed automation tools using Python and VBA, reducing manual effort by 50% and saving 15 hours per week for the team.
- Created comprehensive training documentation for audit reports and automation tools to ensure easy adaptation.
- Managed and analyzed over 1000 locate requests from Ontario One Call, ensuring timely response and accurate data handling.
- Collaborated with cross-functional teams to provide comprehensive system support, including utilizing ArcGIS/Google Earth for mapping data, SQL/EAI for advanced OSS and SAP for enterprise resource planning.

### Web Developer Co-op Effizient Immigration

**Kitchener, ON**  
May 2020 – Oct 2020

- Redesigned and developed the company's website, increasing user engagement by 25% and reducing bounce rate by 20%.
- Implemented SEO strategies, improving organic search ranking by 40% and increasing website traffic by 50% within 6 months.
- Managed Google Ads campaigns, achieving a 15% higher click-through rate (CTR) and a 20% lower cost per acquisition (CPA) compared to industry benchmarks.

## PROJECTS

### Consumer Loan Default Behavior Analysis

- Analyzed over 500,000 loan repayment accounts, pinpointing 14 key demographic trends and 4 critical risk factors through Python and statistical modeling.
- Developed 2 interactive visualizations and dashboards that could help increase decision-making accuracy.

### Among-Us Mobile Game Development

- Developed an 'Among Us'-inspired mobile game using Java, integrating multiplayer functionality and real-time chat features.
- Implemented game mechanics, including player roles, tasks, and voting systems, resulting in a highly engaging user experience.

## LEADERSHIP

### Mentor at Computational Thinking Club Lassonde School of Engineering

**Toronto, ON**  
Jan 2021 – April 2021

- Planned and facilitated interactive sessions on computational thinking and problem-solving skills for 10-15 students weekly.
- Mentored students in coding projects, leading to a significant increase in coding proficiency among club members.

### Monitor for Introduction to Computing Course York University

**Toronto, ON**  
May 2020 – Dec 2020

- Organized and facilitated virtual study groups and review sessions to promote active learning and collaboration.
- Fostered a supportive environment for students facing challenges transitioning to online studies during the COVID-19 pandemic.