

# ABRAR JAWAD TARAFDER

Mississauga, ON, Canada

☎ 437-422-1647

✉ [abrar1075@gmail.com](mailto:abrar1075@gmail.com)

🌐 [linkedin.com/abrar-tarafder](https://www.linkedin.com/abrar-tarafder)

🌐 [Abrar Portfolio](#)

## EDUCATION

**York University, Lassonde School of Engineering**

**Apr 2022 - Aug 2026**

*Honours Bachelor of Science, Computer Science*

**Ontario Tech University**

**Sep 2021 - Apr 2022**

*Honours Bachelor of Science, Computer Science*

*(Transferred to York)*

## EXPERIENCE

**Hydro One (Co-op)**

**May 2024 - Aug 2025**

*OT Transmissions Application Intern*

*Hybrid - Barrie, ON, Canada*

- Developed an in-house application for biweekly database releases using **ReactJS**, **Bootstrap**, and **PostgreSQL**, ensuring responsive design and optimized server performance.
- Automated error handling in **GitLab** by building **Python** scripts to parse and convert logs into XML, improving external pipeline workflows.
- Redesigned the Data Services Team's **SharePoint** site and proposed a **Power Automate** solution for streamlined notifications and migration.
- Maintained QA and Development servers in the **Energy Management System**, performing monthly updates of savecases and equipment data.
- Performed data uploads and mapping for asset acquisition, ensuring accurate **nameplate photo** tracking and in-service documentation.
- Built reusable **GitLab CI/CD pipelines** using **PERL** and **SQL**, reducing processing time from 8 hours to under 5 minutes—a **98% efficiency gain**.
- Created a general **shuttle pipeline template** to accelerate server-to-server file transfers, reducing time from 15 minutes to 4 minutes (**73% faster**), and trained other co-ops to support long-term scalability.
- Developed validation scripts within **GE Source** to automate field checks, triggering real-time error alerts and improving data entry accuracy.

**Walk With Web Inc.**

**May 2023 – May 2024**

*Junior Software Developer & Outreach Research Assistant*

*Toronto, ON, Canada*

- Researched, designed and developed websites using **HTML**, **CSS**, **Bootstrap**, and **JavaScript** facilitating seamless user interaction within a visually captivating environment amongst **3 departments**.
- Crafted **Figma** wireframes for the websites and contributed significantly to marketing strategies, social media analysis, and graphic design, increasing the amount of output by **50%**.
- Designed templates, banners and posts on **Canva** for easy navigation to WalkWithWeb and its partners increasing post engagement by **20%**.

## VOLUNTEER EXPERIENCE

**Jarvis Consulting Group**

**Apr 2023 - Apr 2024**

*Student Ambassador Team Lead*

*Toronto, ON, Canada*

- **Leading a team of 14 Computer Science and Engineering students** to engage in immersive tech-related events.
- Leveraging **development toolkits** to actively engage in these experiences, resulting in a **Hackathon win**.

## PROJECTS

**Google Data Analytics Capstone Study : Python, SQL, R, Excel, Spreadsheets, Google Slides**

- Marketing and analytics strategization with the task of converting casual riders into annual members, achieving a **25%** conversion rate increase. [Project Link](#)

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, JavaScript (Vanilla JS), HTML, CSS, YAML, PHP, Shell Scripting, PowerShell, Basic x86 Assembly with C

**Frameworks/Libraries:** Bootstrap (v4 & v5), React, TKinter

**Tools & Technologies:** GitLab, GitHub, GitLab Pipelines (CI/CD), Mermaid Diagrams, SharePoint Designer, SCADA Architecture, GE IGrid, Energy Management System, DevOps, Jira, Kanban Boards, Agile Methodologies, Microsoft Office, Microsoft Visio, Notion, Infinity

**Automation & Scripting:** PERL, Shell Scripting, Power Automate, Power Apps, Data Migration

**Data & Analytics:** SQL, Oracle SQL Developer, MySQL, MongoDB, Excel, Google Sheets, R, R Markdown, Tableau, Power BI

**Design & Web:** Figma, Canva, Adobe InDesign, MailChimp, Web Design, Graphic Design