

# ABRAR JAWAD TARAFDER

Toronto, ON, Canada

☎ 437-422-1647 ✉ abrart1075@gmail.com 🌐 linkedin.com/in/abrar-tarafder

🐙 github.com/abrararafder 🌐 abrararafder.github.io/portfolio-short

## Education

### York University, Lassonde School of Engineering

Toronto, ON

Honours Bachelor of Science, Computer Science

Apr 2022 – Aug 2026

- **Courses:** Advanced OOP, Discrete Math I/II, Calculus I/II/III, Linear Algebra, Theory of CS, Probability, Data Structures, Algorithm Design, Advanced DSA, DB Management, Software Design, Operating Systems, Data Mining
- **GPA:** 3.7/4.0

### Ontario Tech University

Oshawa, ON

Honours Bachelor of Science, Computer Science

Sep 2021 – Apr 2022

## Experience

### Hydro One

May 2024 - Aug 2025

OT Transmissions Application, Co-op

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.
- Developed reusable GitLab **CI/CD pipelines** with PERL and PowerShell, automating manual workflows and achieving a **98%** efficiency gain while improving scalability and consistency.
- Created a general shuttle pipeline template to accelerate server-to-server file transfers, reducing time by **73%**, and trained other co-ops to support long-term scalability.
- Automated the GE EMS LiveSnap loading process by developing GitLab pipeline and PERL scripts, **reducing load time** by **87%**.
- 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 GE EMS, performing efficient monthly updates of savecases and equipment data.
- Performed data uploads and mapping for asset acquisition, ensuring nameplate tracking and in-service documentation.
- Developed SQL validation scripts within GE Source to automate field checks, triggering **real-time error alerts** and improving entry accuracy for the Application Modelling team; version-controlled in GitLab.

### WalkWithWeb 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 **interactive 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 social media **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.
- Utilized development toolkits to actively engage in these experiences, resulting in a Hackathon win.

## Projects

### Data Analytics Capstone 🔄

- Led a data-driven marketing strategy to convert casual bike riders into annual members, analyzing over **430,000** ride records with SQL, R, and Python; identified key usage patterns and digital media tactics, achieving a **25%** conversion rate increase.

## Technical Skills

**Languages:** Python, Java, JavaScript, C++, PHP, SQL, YAML, HTML/CSS, PowerShell, Perl, R

**Developer Tools:** Git, MongoDB, Tableau, Power BI, Power Automate, Power Apps, GE IGrid, Jira, Figma, Canva, Adobe InDesign, Microsoft Visio, GE EMS

**Frameworks:** React, Bootstrap, TKinter