ABRAR JAWAD TARAFDER

Toronto, ON, Canada

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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.

Projects

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

Cruise Critic PowerBI Project 🔗
- Extended an University course-based database project by building a Power BI star-schema analytics layer using SQL and DAX to analyze **revenue, profitability, and destination demand** for a Cruise Critic Cruise Review website.

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