Tejush Badal

LinkedIn |GitHub| 289-923-2914 | tejush.badal@ontariotechu.net

Skills & Abilities

Technical: Working Knowledge of: Java, C++, Python, HTML, CSS, JavaScript, bootstrap, Pandas. Design with UML diagrams.

Soft: Effective communicator, excellent technical writing skills, customer-centric approach, exceptional teamwork skills

Education

ONTARIO TECH UNIVERSITY | SEPT 2021 - PRESENT

Bachelor's Degree in Software Engineering

- **4x** President's list designation, **cGPA: 3.95**

Experience

Co- Op - Telephony Analyst | Sun Life Financial   **May 2023 - Present**

- Managed MACD (move, add, change, delete) request tickets for new and previous employees to ensure smooth transitions for all employees
- Created a python script deployed through Ansible and CDD (Continuous Delivery Director) to completely automate tickets **saving *at minimum* 3000 hours in labor per year** ($264,000/year)

Undergraduate Student Research Fellow| Ontario tech University   **December 2022 – March 2023**

- Trained a deep learning model by segmenting and annotating large datasets to improve road condition recognition
- Used JavaScript and HTML to create a dynamic and effective demo website for potential clients

Undergraduate Student Researcher | Ontario tech University   **May 2022 – August 2022**

- Directly improved upon professor's thesis to contribute to the requirements engineering literature
- Formalized a syntax for the abstraction of UML class diagrams into union models for future researchers to use
- Constructed a dataset of UML class diagrams by hand to implement the theory previously formalized
- Created a union algorithm using python libraries such as 'NetworkX' and 'Pandas' to combine multiple class diagrams for further analysis

Other Employment History

Crew Trainer | McDonald's   **August 2018 - August 2022**

- Maintained high standards of customer service through fast-paced, and high-volume orders
- Trained and continuously mentored new colleagues in best practices to reduce waste and increase customer satisfaction
- Resolved complaints professionally, and promptly subsequently improving order accuracy and timing

Academic Achievements and Awards

Competitions: Ontario Engineering Competition (**top 10**), Internal Engineering Competition (**1st place**), Ontario Tech Hackathon Jr. Division (**1st place**)

Awards: National Science and Engineering Research Council Undergraduate Student Research Award **(2022),** Undergraduate student research fellowship award (**2023**)