



Tejush Badal

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Skills & Abilities

Technical: Python, Java, C++, HTML, CSS, JavaScript, CSS, Pandas, React, FastAPI, Git, UML, full stack development

Soft: Natural leader, 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 that runs each day to completely automate new 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

- 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
- Developed an algorithm using NetworkX and Pandas (python) to combine multiple class diagrams for further analysis

CopGPT | AI-Based Full-Stack Website | Personal Project

- Designed and developed a full stack web application based on the OpenAI API that can answer questions about police-public interactions and their respective rights and responsibilities
- Curated a vector database to query from and developed an API to connect the backend (python) to the frontend (React)

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**)