

# Arnav Dalmia

Oakville, ON, Canada

☎ 647 889 5664 | ✉ a4dalmia@uwaterloo.ca | 🌐 www.arnav.dalmia.me | 📷 ArnavDalmia | 🌐 arnav-dalmia

## Skills

**Tools/Technologies** : IOS, MS Office, SOLIDWORKS, MATLAB, WPI Robotics, Github, VS Code, Eclipse, Notepad++

**Languages** : Python, Java, HTML, CSS, Bootstrap Framework, studying C++ and SQL

## Work Experience

### Pacline Overhead Conveyors

Mississauga, ON

MANUFACTURING AND ASSEMBLY TECHNICIAN INTERN

July 2023 - Aug. 2023

- Operated **various industrial machinery** (angle grinder, welder, drill press, band saw, jig saw, automatic and semi-automatic saws, etc.) for construction of **company work orders** (such as HSS Stands and Conveyor Trolleys)
- Received and executed work orders for **20+ company clients** in an industrial setting, including major clients like Walmart
- Proficiently **manufactured and assembled** conveyor components, including take-up units, from industry-standard **part drawings**
- Led a small team of workers, overseeing the **design and implementation** of custom stand frames for international shipping purposes
- Demonstrated strong **planning and management skills** by successfully implementing these frames, ensuring safe and secure shipping solutions for clients

### Freelance

Oakville, ON

WEB DEVELOPER

Jan. 2022 - July, 2023

- Engaged in **direct client communication** to gather and comprehend website requirements, including the implementation of **responsive contact forms** with email functionality
- Designed websites using **HTML** and **Bootstrap CSS Framework**, utilizing industry-standard tools such as **Brackets** and **VS Code** for efficient development

## Projects

### HRManagement Tool

Oakville, ON

HUMAN RESOURCES MANAGEMENT TOOL

July 2023

- Designed, developed, and maintained the **HRManagement Tool**, a user-friendly HR management software utilizing **Java and SQL** meant for HR personnel to access and manage employee records
- Created** a comprehensive **SQL database** with 100 unique employee entries and established a **secure connection** to said SQL server using **JDBC**, enabling efficient data storage, retrieval, interpretation, and **real-time updates**
- Wrote updates** to the SQL server, maintaining **data accuracy** and real-time management for HR operations
- Created **features** for HR professionals to **add** new employees, **adjust** salaries, promote/demote staff, and remove employees, enhancing **organizational control and flexibility**
- Ensured **data accuracy** and software reliability by incorporating **comprehensive error-checking mechanisms**

### MedLet

London, ON

Co-FOUNDER, CTO, AND LEAD ENGINEER

July 2022

- Co-founded MedLet at the **SHAD Western Design Competition**, securing **1st place** out of 10 teams and 100 participants with the innovative concept of MedLet
- Designed the MedLet bracelet using **SOLIDWORKS**, ensuring its functionality and aesthetics met the desired standards
- Programmed the MedLet bracelet using **Python, NFCpy API, and NFC Tools** to enable it to store and transmit essential emergency information securely through an embedded NFC chip
- Developed the company's website and user interface (UI) using the **Bootstrap Framework and HTML**, ensuring a user-friendly experience for customers
- Conducted thorough **market research** and **analysis** to identify the competitive advantages of MedLet within the **child safety** and emergency information **sector**

## Honors & Awards

2022 **Winner**, SHAD Western Design Competition

Western, ON

2023 **Winner**, TD Achieve the Dream scholarship

Canada

2021-2023 **FRC Team 1325 Member/Lead**, Excellence in Engineering Award, District Winner throughout various events

North America

2022 **Top 10**, Orals AAM Regional, DECA

Mississauga, ON

2022 **Top 25 Percent**, University of Waterloo - Euclid Math Contest

Mississauga, ON