Arnav **Dalmia**

Oakville, ON, Canada

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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

HRManagment Tool   *Oakvile, 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*