

Arnav Dalmia

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Skills

Tools/Technologies : IOS Ecosystem, MS Office, SOLIDWORKS, VS Code, Eclipse, Notepad++, MySQL, Oracle, JIRA

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

Work Experience

Manufacturing and Assembly Technician Intern

Mississauga, ON

PACLINE OVERHEAD CONVEYORS

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 **50+ company work orders**
- Proficiently **manufactured and assembled** conveyor components, including take-up units
- Led a small team of workers, overseeing the **design and implementation** of custom stand frames for international shipping purposes
- Demonstrated strong **management skills** by successfully implementing these frames, ensuring safe and secure shipping solutions for clients

Web Developer

Oakville, ON

FREELANCE

Jan. 2022 - July, 2023

- Designed **10+** websites using **HTML** and **Bootstrap CSS Framework**, utilizing industry-standard tools such as **Brackets** and **Pages** for efficient development and deployment
- Engaged in **direct client communication** to gather and comprehend website requirements, including the implementation of **responsive contact forms and Google Extensions**
- Enhanced user experience through the **creation of visually appealing and intuitive user interfaces** using front-end technologies, ensuring **cross-browser compatibility** and **mobile responsiveness**

Projects

HRManagment Tool

Oakvile, ON

HUMAN RESOURCES MANAGEMENT TOOL

July 2023

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

MedLet

London, ON

CO-FOUNDER

July 2022

- Designed the MedLet bracelet, an **innovative medical wearable** utilizing NFC technology to securely store **vital emergency information for children**, enhancing their safety while aiming to provide peace of mind to parents
- Designed the MedLet bracelet using **SOLIDWORKS**, ensuring its functionality, aesthetics, and durability met the standards for children while programming it with **Python, NFCpy API, and NFC Tools** to securely store and transmit essential emergency information 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 extensive **market research** to identify competitive advantages in child safety and emergency information
- Received **Top Overall Project Award** at the **SHAD Western Design Competition**

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