

Arnav Ryan Dalmia

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TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, HTML/CSS

Tools: Git, VS, PyCharm, IntelliJ, Eclipse, MySQL, SQLDeveloper, FIGMA, Adobe XD, JIRA, MSOffice, Linux

Libraries, Frameworks & API's: pandas, NumPy, Bootstrap, Kraken, JDBC

EXPERIENCE

Manufacturing and Assembly Technician Intern

July 2023 - Aug. 2023

Pacline Overhead Conveyors

Mississauga, ON

- 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

Jan. 2022 - July. 2023

Freelance

Remote

- 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

Human Resources Management Tool | *Java, SQL, JDBC, JIRA*

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
- Utilized **JIRA** and **Agile** for project management to keep track of stories, sprints for all updated features

MedLet | *Python, NFCpy API, HTML, CSS, Bootstrap, Git, WIX, JIRA*

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
- Utilized **JIRA** and **Scrum Sprints** to delegate tasks and stories
- Received **Top Overall Project Award** at the **SHAD Western Design Competition**

EDUCATION

University of Waterloo

Bachelor of Applied Sciences in Systems Design Engineering

Waterloo, ON

Sep. 2023 – May 2028