

SAHIL BUTT

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TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Java, C++

Frameworks/Tools: Git, Bootstrap, jQuery, SASS, ReactJS, Linux, VS Code, Mac OS, Jira, MS Office

EDUCATION

University of Waterloo

Expected 2027

Bachelor of Applied Science - Honours Computer Engineering

Don Mills Collegiate Institute

June 2022

Ontario Secondary School Diploma(OSSD)

PROJECTS

myWebsite

Technologies: HTML, CSS, Bootstrap

- Used an external internet **icon library** in order to enhance user accessibility and applied the **onclick** attribute to link a button to an external PDF/email prompt.
- Implemented a **Bootstrap grid system** to place elements side by side and other pre-built CSS class names to create a responsive website.

analog-clock

Technologies: HTML, CSS, JavaScript

- Created a Clock that is directly synchronized with any device that is accessing it using a **Date constructor**.
- Implemented **positioning** and **transformations** using CSS properties in multiple ways to achieve a Clock shape.

survey-form

Technologies: HTML, CSS

- Created a survey form which implements the use of radio buttons, submit button, check boxes, and a drop down with multiple options to create the survey form structure using **HTML defined elements**.
- Implemented appropriate spacing, colouring, and font type to create an appealing and user friendly form using **CSS properties**.

Remote Control Car

Technologies: Raspbian OS, C++, SSH Protocol, Arduino IDE

- Designed and implemented a dual motor, all-wheel drive remote control car with the **SSH**(Secure Shield) protocol.
- Implemented an **H-bridge** to allow **DC motors** to run forwards or backwards by switching the polarity of a voltage applied to a load.

RELEVANT EXPERIENCE

Project Team Member, Microsoft - Accessibility

Jan 2023 - Apr 2023

Waterloo Experience (WE) Accelerate Program

Waterloo, ON (remote, project-based experience)

- Implemented a combination of two AI solutions to provide design ideas related to Dementia and Cardiovascular disease to Architects by using various Azure resources.
- Manipulated two CSV formatted data sets to train the Machine Learning Classification model by implementing pre-processing transformations to the data.
- Utilized predicted labels from the Machine Learning Classification model to train the Image Classification model by applying them as tags to various bounding boxes created.
- Tested predicted outcomes from the trained Machine Learning Classification model to check its accuracy and performance by using the Azure CLI with PowerShell or Bash Commands.

VOLUNTEER EXPERIENCE

Resume Critiques & Interview Skills Director

Mar 2023 - Present

Waterloo Engineering Society

- Used a project tracking tool to improve my **leadership** and **organizational** skills by tracking the various tasks completed by team members.
- Implemented a **budget form** for two events using **Google Sheets** to achieve a realistic budget by filling out the expenses and income sections.
- Created a **positive impact** on the school community to help students achieve success within the workplace by implementing a **Resume Critique and Interview Skills Workshop**.

Computer Engineering Ambassador

Sept 2022 - Present

UW Engineering Ambassadors

- Participated as an **engineering tour guide** to teach incoming first-year students about campus engineering life and program requirements.
- Tour guided over 50 students in 3 rounds to improve my **public speaking skills** by memorizing factual information about the various on campus sights.

Customer Service Representative

Mar 2023 - Apr 2023

Circle K

- Provided quality customer service to **60+ members** daily to build brand loyalty.
- Demonstrated excellent quality customer service by patiently **listening** and **communicating** company policies with **empathy**.
- Received a **95% feedback rating** based on a reference letter to gain insight on the **performance of interaction** with customers.

CERTIFICATIONS

Azure Artificial Intelligence (AI) Fundamentals

Exam Score: 93.6%

Microsoft Certified

Mar 2023

Azure Fundamentals

Exam Score: 80.5%

Microsoft Certified

Feb 2023

AWARDS & SCHOLARSHIPS

- Awarded the \$2000 President's Scholarship of Distinction by the University of Waterloo for having a grade range between 90-94 percent.
- Winner of the Male's Fitness Award 2022 by Don Mills Collegiate Institute for participating in multiple athletic teams.