SAHIL BUTT

647-450-4015 ◇ LinkedIn.com ◇ GitHub ◇ sabutt@uwaterloo.ca

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Java, C++, Python
Frameworks/Tools: Git, Bootstrap, jQuery, SASS, ReactJS, Linux, VS Code, Mac OS, Jira, MS Office

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.

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.
- 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.

Customer Service Representative   Mar 2023 - Apr 2023
Circle K
2826 Victoria Park (On-site)

- **Analytical thinker** with a proven track record of swiftly identifying root causes of issues and providing effective solutions.
- Collaborate cross-functionally to gather information, **troubleshoot problems**, and implement **comprehensive resolutions**.
- 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   Mar 2023
Microsoft Certified
Azure Fundamentals   Feb 2023
Microsoft Certified

EDUCATION

University of Waterloo   Expected 2027
Bachelor of Applied Science - Honours Computer Engineering