

Gayathri Sudheer

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SKILLS

- **Programming:** C++, Java, HTML, CSS/SCSS, JavaScript, Python, SQL, Ruby
- **Frameworks/Tools:** React, Flask, Jinja, Bootstrap, SQLite, Selenium, PostgreSQL, Ruby on Rails
- **Other:** JSON, XML, Git, REST APIs, Webflow, Android Studio, Visual Studio Code, XCode, Mac OS, Microsoft Dynamics, MS Project, PowerApps, SharePoint Power Automate (Flows), Microsoft Office, Zapier, AWS S3

WORK EXPERIENCE

Sponsorpulse

Toronto

Full Stack Developer

May 2021 – August 2021

- Designed and updated the frontend views of **10+ web pages** using **React JS** and **SCSS** to match the new theme for the launch
- Engineered the auto-generation of the free report developed with **Webflow**, **Ruby on Rails** and **React** for new users, which is responsible for the **conversion of 67% of the users** to paid subscribers
- Developed flows using **Zapier** to send notifications automatically to platform admins' emails and Slack when a user requests data
- Utilized **Sidekiq** background processing with **PostgreSQL** for uploading new data to the platform with from **AWS S3**

Meritech Engineering

Cambridge

Operations Research Analyst

September 2020 – February 2021

- Evaluated issues and helped develop solutions for the frontend user experience on the company's CRM using **PowerApps**
- Recommended improvements of the Intranet portal, WBS, business process flows, document control and communications
- Analysed business needs to improve user interface, project tracking, management reporting and client experience

Ministry of Attorney General, Ontario Public Service

Toronto

IT Analyst

January 2020 – March 2020

- Developed the letter generation tool for the Case Management System in **Microsoft Dynamics** using **XML**
- Engineered a program using **SeleniumHQ with C#** in **Visual Studio** for automatic testing of the Case Management System
- Generated a program in **Microsoft Flow** and **SharePoint** for sending emails automatically with the corresponding information

PROJECT EXPERIENCE

Hack the Music (Hack the North 2021 Submission)

September 2021

- Developed a frontend web application using **React JS** and **REST APIs** that converts uploaded audio file into sheet music
- Designed frontend user interface using **JavaScript** and **CSS**
- Engineered **Firestore Authentication** with **Google Cloud** to store user credentials for login

Daily Planner Web Application

January 2021

- Designed and developed a full stack web application using **Python Flask**, **HTML**, **CSS** and **JavaScript** that displays user input tasks with time as a list that can be marked as completed or deleted
- Created an **SQLite** database to store user credentials for login

Filter Image

October 2020

- A **JavaScript**, **HTML** and **CSS** program that allows user to upload an image and apply filters into the image.
- The filters include grayscale, make red (converts image to monochromatic red), border (adds a black border to image), rainbow (applies the rainbow colours as 7 rows).

Green Screen Image

September 2020

- A **JavaScript**, **HTML** and **CSS** program that allows user to upload a background image with greenscreen and a foreground image and create a composite of the two images.

EDUCATION AND CERTIFICATIONS

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Applied Science in Computer Engineering

2024

- Relevant Courses: Algorithms and Data Structures, Digital Computers, Systems Programming & Concurrency, Embedded Microprocessor Systems

Duke University (Coursera Certifications)

- Java Programming: Solving Problems with Software

November 2020

- Programming Foundations with JavaScript, HTML and CSS

October 2020