

Gayathri Sudheer

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EDUCATION

University of Waterloo

Waterloo, Ontario, Canada

Candidate for Bachelor of Applied Science in Computer Engineering

2024

- Relevant Courses: Algorithms and Data Structures, Digital Computers, Systems Programming & Concurrency, Embedded Microprocessor Systems, Real-Time Operating Systems, Compilers, Database Systems, Computer Networks

WORK EXPERIENCE

Zighra

Ottawa, Ontario, Canada

Full Stack Developer

January 2022 – April 2022

- Engineered Spur's **NFT Marketplace** using **Venly API** with **Node.js** and developed **10+** web pages using **React** and **CSS**
- Developed a demo app using company's **password-less authentication web SDK** with **HTML** and **CSS**
- Analysed and tested **Android and iOS SDK** to improve user guides and UI design of the web portal

Sponsorpulse

Toronto, Ontario, Canada

Full Stack Developer

May 2021 – August 2021

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

Meritech Engineering

Cambridge, Ontario, Canada

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, Ontario, Canada

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 when new user is added

PROJECT EXPERIENCE

Portfolio Website

August 2022

- Designed and developed frontend portfolio website using **React** and **SCSS**

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 **Firebase 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

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

SKILLS

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

CERTIFICATIONS

Duke University (Coursera Certifications)

- Java Programming: Solving Problems with Software November 2020
- Programming Foundations with JavaScript, HTML and CSS October 2020