

# 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, Systems Programming & Concurrency, Embedded Microprocessor Systems, Real-Time Operating Systems, Compilers, Database Systems, Computer Networks

## 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, XML, Git, REST APIs, Webflow, Android Studio, VS Code, XCode, Mac OS, Zapier, AWS S3

## WORK EXPERIENCE

### Zighra

Ottawa, Ontario, Canada

Full Stack Developer

January 2022 – April 2022

- Engineered Spur's NFT Marketplace using **Venly API** with **Node.js** with asynchronous backend calls to create wallet, create NFT collections, and create and mint NFTs.
- Designed **frontend UI** for the NFT Marketplace using **React** and **CSS** with user guide modals, collection and NFT pages
- Developed a demo app using **password-less authentication web SDK** with **HTML** and **CSS** to meet company goals
- 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

- Spearheaded the auto-generation workflow of the free report developed with **Webflow**, **Ruby on Rails** and **React** for new users, **converting 70%+ of the users** to paid subscribers
- Engineered **Sidekiq** background processing with **PostgreSQL** for uploading new data to the platform from **AWS S3**
- Updated the frontend views of **10+ web pages** using **React JS** and **SCSS**, increasing user engagement with new onboarding process pages, implementing responsive pages for mobile, and creating user pages for easy management of account
- Created admin pages to view client metrics by engineering **API calls** with **Rails** and **React** to track client movements
- Developed **5** automated flows using **Zapier** to send notifications to platform admins' emails and Slack

### 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

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