

Aditya Chilukuri

SOFTWARE DEVELOPER

☎ (+1) 587-966-6647 | ✉ achiluku@uwaterloo.ca | 🏠 a-s-b-c.github.io | 📺 a-s-b-c | 🌐 achiluku

Skills

Languages: Python, JavaScript, C++, SQL, HTML, CSS

Libraries/Frameworks: Django, Django REST Framework, React, jQuery, Bootstrap, Material UI, p5.js

Tools: Git, Github, PostgreSQL, MySQL, Amazon Web Services RDS, Heroku, Workbench

Experience

Web Developer (Lead)

Toronto, Canada

AETHOS PERFORMANCE CULTURE

Sep 2020 - Dec 2020

- Built the entire backend to serve e-commerce product and subscription data, using **Django REST Framework**, alongside **MySQL** database
- Setup a user management system in **Django** and specified permissions based on roles
- Overhauled all landing pages utilizing **React**, **State hooks** and **Router**, while working with Figma design wire-frames
- Lead a team of 2 developers, setting up multiple weekly meetings, emphasized task management and held demos with leadership staff, maintaining proper **SDLC** standards by maintaining version control and testing

Software Developer

Chennai, India

NOVAC TECH

Feb 2020 - Apr 2020

- Improved user experience on landing pages to increase online traffic, using **HTML**, **CSS** and **JavaScript**
- Handled client-side forms by performing validation and POST data with **jQuery DOM manipulation**
- Implemented the front-end for a custom user dashboard, which tracked and displayed team specific statistics and data with a messaging window, increasing synchronization and productivity for **all 6 teams** during a remote transition with **JavaScript** and **jQuery**
- Conformed to all internal **SDLC** standards, maintaining proper communication and rigorously analysis and design

Projects

Mock-Stock-Trade | [Site](#)

DJANGO, **HTML**, **CSS**, **BOOTSTRAP**, **POSTGRESQL**, **AWS RDS**, **HEROKU**

Jan 2021 - Jan 2021

- Built a **full stack** stock trading site that allows users to get Quotes and mimic buying shares, owning a personal portfolio
- Developed a working back-end infrastructure to process data, with **Python** and **Django** coupled with **PostgreSQL** and **AWS RDS**
- Designed a responsive UI with **HTML**, **CSS** and **Bootstrap 4**
- Utilized a RESTful API service (finnhub API) to serve all real-time market and company data

Pathfinding Visualizer | [Site](#)

P5.JS, **JAVASCRIPT**, **BOOTSTRAP**

Apr 2020 - Apr 2020

- Developed a path-finding application with **p5.js** and **JavaScript**, utilizing the A* search algorithm to find an optimal path between 2 nodes
- Implemented functionality for user to generate or create walls, applying the algorithm with obstacles

COVID-19 Email Bot | [Code](#)

PYTHON, **BEAUTIFULSOUP**

Apr 2020 - Apr 2020

- Developed a web scraping bot, extracting critical COVID information with **Python**, and **BeautifulSoup**
- Implemented an email functionality which will send the parsed data to specified recipient with smtplib

Twitter Bot | [Code](#)

PYTHON, **TKINTER**

Apr 2020 - Apr 2020

- Scripted a **Python** GUI application which can perform the Like, Retweet and Reply functionalities on Twitter, given a search criteria and number of tweets
- Utilized public Twitter API with Tweepy and Tkinter libraries

Education

University of Waterloo

Waterloo, Canada

BASC. HONORS COMPUTER ENGINEERING

Sep 2019 - Apr 2024

- \$2500 Rutherford Scholarship and \$2000 President's Scholarship with 94% admission average