Chanakya Sharma

EXPERIENCE

WEB DEVELOPER
AFFICHI, Nanaimo, BC / May 2021 - Aug 2021

- Joined a team of developers to deliver a website for client which automated bookings and evaluations for different services provided by the client to their customers
- Stack comprised of npm and node modules such as express js, react js, material ui and particle js, Api integration for payment gateway stripes.

PROJECTS
Personal

- **FTP Client and Server (2021) (C++, netdb.h , arpa/inet.h, sys socket.h)**

A console application similar to FileZilla ftp client which uses c++ libraries to connect to a server from a client. Another application which facilitates a device to host itself as a ftp file server with the same stack of technologies.

- **Sleeping Teaching Assistant (2021) (C , POSIX, MUTEX, SEMAPHORE)**

A console application which initiates a queue of students who wait for a teaching assistant to help them with a problem and when teaching assistance is not helping, they sleep. This is implemented in c with mutual exclusion, semaphores and multithreading capabilities of pthread library;

- **A* Search Algorithm (2021) (AI and advanced algorithms, Python)**

Developed a search based AI agent to sort balls with same color to a specific jar without breaking the rules of the game;

- **Sudoku Checker (2021) (C , POSIX)**

checks a solution of a sudoku puzzle with 27 threads running concurrently with pthread libraries which effectively provides a true or false as a return value;

- **Chirpy (2021) (Python, Django, ReactJs, git, Django REST framework, JavaScript)**

Developed a full stack application to allow users to post Tweets over an online forum called chirpy. Backend developed in python framework Django and created an api with Django rest framework. Frontend makes asynchronous requests to the api which is implemented in ReactJs ;

- **Viu-It (2021) (Python, MySQL)**

Developed a server from scratch which serves html pages to host a blog post website allowing users to share media which is stored in Mysql database;

- **Console Messenger(2020)(C++, ncurses, SQLPlus)**

A console messenger application to send messages through command line over a local area network with ncurses library for front end and connected to a SQLPlus Database;

- **Grading software (2019)(C++,git)**

Developed an custom grading software for the teachers at university to generate reports for students with the use of Software Engineering techniques;

CONTACT

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EDUCATION

VANCOUVER ISLAND UNIVERSITY
B.Sc. Computing Science (Dec 2021)

Extracurricular Activities

- Core team member GDSC(Google Developer Student Club) 2019-2020
- RockVIU Orientation Host (VIU Computer Science Department) September 2021

ADDITIONAL SKILLS

- AI and Advanced Algorithms
- Arduino
- BASH scripting in linux
- C
- C++
- Django framework
- Git version control
- JavaScript
- NodeJS
- Pip virtual environment
- Python
- ReactJS
- REST Framework (Django)
- SQL (MySQL & SQLPlus)

CERTIFICATIONS

Cloud Platform Fundamentals: core infrastructure by Coursera (2020)
Ethical hacking level 1 by learncodeonline (2019)