

Parv Choksi

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EDUCATION

Dalhousie University

Bachelor of Computer Science

Halifax, NS

Sept. 2022 – May 2026

University of Calgary

Bachelor of Science

Calgary, AB

Sept. 2018 – May 2022

PROJECTS

Restaurant Picker | *Python, React, HTML, CSS, Figma, Git*

Dec. 2023 – Present

- Currently developing a Python and React based application to facilitate dining decisions through a swipe-based selection system for cuisines and restaurants.
- Users join a shared session with a uniquely generated room code and engage in a swipe-based voting system to choose their preferred cuisine. Afterwards, they swipe on nearby restaurants based on the preferred cuisine to finalize their decision.
- Implemented server-client connectivity using WebSockets for communication in the application, allowing users to join and create rooms, and to interact with the swipe-based voting system.
- Continuously evolving the project through Agile and DevOps methodologies, incorporating feedback from testers, and systematically debugging to refine functionality and user experience, demonstrating strong problem-solving skills in application development.

Intrusion Detection System | *Python, Scapy, TShark, tcpdump*

Dec. 2023 – Present

- Developed a Python-based Intrusion Detection System using Scapy for cybersecurity purposes, capable of detecting SYN scan and DDoS attacks, addressing key network security threats and showcasing my programming skills in Python.
- Utilized the Scapy library for efficient packet sniffing to capture and inspect network traffic demonstrating skills in network monitoring and security analysis.

Cache Simulator | *C, Linux Operating System*

Nov. 2023

- Developed a versatile cache simulator capable of handling three different cache types: direct-mapped, set associative, and fully associative caches to demonstrate deeper understanding of caches and memory hierarchy.
- Accomplished accurate simulations of cache behaviors including tag-based memory references, set identification, and line eviction using LRU criteria, validated through 15 test cases to ensure data retrieval and storage efficiency in cache systems.

Hack The Change | *Java, Python, HTML, CSS, JavaScript, Spring Boot, Git*

Oct. 2022

- Led front-end development in a team of four at the University of Calgary Hackathon. Developed the user interface of a dynamic website using Java, Python, JavaScript, HTML, CSS, and React, integrating APIs to customize content based on user location.
- Excelled under a strict time constraint of two days, demonstrating an ability to deliver quality work in a fast-paced environment, managing multiple tasks and highlighting problem-solving skills in swift decision-making.

SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS, R

Frameworks: React, JUnit, WordPress, Spring Boot, JSON, JUnit

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, CLion, Linux OS, MySQL, Wireshark

Personal: Problem-solving, teamwork and collaboration, communication, time management, attention to detail

EXPERIENCE

Pharmacy Assistant

Aug. 2018 – Sept. 2022

Alpha Care Pharmacy

Calgary, AB

- Worked in a fast-paced environment to help patients fill their prescriptions utilizing the Kroll system (pharmacy management software) and assisting them with any questions they had about their medication while coordinating with the pharmacist to ensure every patient was attended to.
- Helped the pharmacist automate a notification system to remind the staff when a patient's medication is running out using Reminders API to create an application to monitor the dates of when prescriptions have been filled to set a reminder notification.