SHREY PATEL

2B Computer Science

linkedin/shrey079 | s427pate@uwaterloo.ca | github/shrey079

Skills

Languages	JavaScript, Python, C, C++, HTML, CSS, Bash Scripting, Scheme, Git
Technologies	Linux, GCP, Docker, K8s, Node.js, Express, EJS, REST APIs, MongoDB, Bootstrap, Jmeter, Agile

Work Experience

Software Intern, NCR Corporation — May 2020 - Sep 2020
- Worked in an Agile environment to run user load tests, analyze results and suggest code fixes to resolve bugs.
- Oversaw the testing of a containerized Kubernetes imaging application on local and GCP servers using Jmeter.
- Reduced testing time by 20% through developing a stepping thread model that combined three tests into one.

Robotics Technician, First Robotics Team 6864 — 2019
- Managed a 6-member cross-functional team and coordinated with developers to build a human-sized robot.
- Identified critical hardware/software issues, and implemented strategic solutions for their timely resolution.
- Reduced build time by 45% through drafting a 3D CAD model for the robot chassis and drive train.

Projects

BubbleBuy, Hack The North — 2021 (Demo - Youtube)
- Developed and pitched a web application that connects members of a community to local businesses.
- Demoed a prototype created using React, Node.js, CockroachDB, Figma, and Github.

Virtual-Q, NCR Global Hackathon; 3rd place — 2020 (Demo - Youtube)
- Led a team of 5 to make an app that allows for virtual queuing at restaurants, placing 3rd.
- Demoed a prototype created using Python, Angular, Native-script, Node.js and Github.

SaleSkrape, Python Web-Scraper Project — 2020
- Extracted desired data from the Wilson Sporting Goods website using the BeautifulSoup4 Python library.
- Analyzed the data and sent an email using SMTP to a personal Gmail account when equipment was on sale.

Conway's Game of Life, C++ Project — 2020
- Developed 7 software modules in C++ using OOP and design patterns resulting in high cohesion and low coupling.
- Enforced Test-Driven Development by creating an automated test-suite prior to implementation using Bash Scripts.

Extracurriculars

Volunteer, Rotary Club of Gravenhurst and Trinity United Church — 2020 - 2021
- Volunteer for a program that provides 350 families in my community with over 1500 meals every week.

Executive, Town of Gravenhurst Winter Carnival Committee — 2019
- Fundraised over $5500 from local sponsors to plan and execute an event for over 15,000 community members.

Varsity Basketball and Badminton, Gravenhurst High School — 2016 - 2019
- Competed at the "OFSAA" provincial championships 5 times while receiving 4 "MVP" awards for athletic ability.

Education

University of Waterloo Bachelor of Computer Science with Co-op (Honours) — Sep 2019 - May 2024

Course Work	Functional Programming, Algorithm Design and Data Abstraction, Object-Oriented Programming
Udemy	Python Data Structures and Algorithms, Complete Python Bootcamp, The Web Developer Bootcamp
Coursera	Python Data Structures, Programming for Everybody, Learning How to Learn

Interests

Basketball, Badminton, Weightlifting, Gaming, Music, Podcasts