Krish Chowdhary

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Education

University of Toronto *Toronto, Canada*
Bachelors of Science - Computer Science - CGPA: 3.56 - Dean's List Scholar *2017 - 2021*

- Activities: Communitech Ambassador, Startproud Campus Ambassador, Microsoft Student Partner, The Varsity Board of Directors

Work Experience

Red Hat - OCTO *Sunnyvale, California*
Software Engineer Intern *May 2020 - Present*

- Developed POCs, Blogs and Demos related to deployment automation and abstraction using **Crossplane**, **Openshift** and **Docker**
- Contributed enhancements and features requests to several upstream open-source repositories, primarily **Crossplane** and **Quay**
- Designed and developed an enhancement proposal for a container object storage interface (COSI) in **Kubernetes** using **Go**

University of Toronto *Toronto, Canada*
Computer Science Teaching Assistant *December 2018 - Present*

- Courses: Intro to OOP (CSC148), Software Design (CSC207), x2 System Programming (CSC209), x2 Operating Systems (CSC369)
- Organized weekly tutorials and created tutorial material for undergraduate courses, marked over 900 students

Technical Lead - Developer Student Club *September 2019 - August 2020*

- Launched an incubator program that helped undergraduate students build software development projects. Facilitated the creation of project proposals and worked directly with faculty to enable over 35 students to earn course credits for their work

Undergraduate Computer Science Researcher *May 2018 - May 2020*

- Researched student preferences and performance in introductory programming with respect to implementation and tracing problems
- Developed the course outline and syllabus for a fourth-year accounting course within the Rotman School of Management; this course focused on data analytics for accountants

EY L.L.P. *Toronto, Canada*
Cyber Security Consultant Intern *May 2019 - August 2019*

- Onboarded over 2000 technology infrastructure servers onto a Privileged Access Management solution at an insurance firm
- Mitigated cybersecurity breach risk in an oil and gas company by implementing full **Qualys VM** and **ServiceNow** integration

Ford Motor Company *Toronto, Canada*
Software Developer Intern *May 2018 - April 2019*

- Led the technology stream for a dealership-facing program with a $20MM budget. Designed and developed the application using **Chart.js**, **Bootstrap** and **Foundation.js** to provide dealership sales analytics; this led to an increase of 44% in program enrollment
- Automated key internal processes utilizing RPA techniques with **Selenium** and **Python**; this increased the throughput by over 1820%

Projects

TA Application System - UTAP *University of Toronto*

- Led the development of an application designed to ease and automate the hiring process for TAs at the University of Toronto
- Revamped the applicant and instructor UI to support modern web standards using **Node.js**, **PostgreSQL**, **Apache** and **Bootstrap**

Course Crunch

- Developed a microservices application designed to give students a one-stop-shop for all instructor and course information at the University of Toronto. Utilized a **MERN** stack, **PostgreSQL**, **Neo4j**, and **Python 3** to create the application

YourList

- Mentored three students to create a cross-platform mobile app which featured location-based sharable lists using **Node.js** and **Flutter**

MyTown *Elevate Hackathon*

- Developed an application to using securely generate store distributed user credentials on a cloud server using **GCP** and **Flask**

Indspire Survey *Gift the Code Hackathon*

- Developed a secure survey platform using **React.js** and **Firebase** to securely store PII for indigenous youth

Skills

DevOps	Kubernetes, Docker, Quay, AWS, Azure, EC2, S3	**Programming**	Python, Java, C, JavaScript, Node.js, Go
Front-end	HTML, CSS, React, Flutter, Bootstrap, Material-UI	**Back-end**	REST, SQL, MongoDB, Redis, Microservices