

# Ritvik Deshpande

Software Engineer

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## EXPERIENCE

### HORIBA | INCOMING SOFTWARE DEVELOPER (CO-OP)

May 2023 – Aug 2023 | Burlington, Ontario

- Will participate in the upgrade of existing real-time software components to meet requirements of new product architecture
- Will identify the necessary modifications for improving the instrumentation and update documentation as required

### MANULIFE | PLATFORM RELIABILITY ENGINEER (CO-OP)

May 2022 – Aug 2022 | Waterloo, Ontario

- Worked in an agile environment to create the front-end and back-end for a Dashboard Checker application using react.js, node.js
- Created documentation for the Dashboard Checker's REST API using swagger.io
- Created custom PowerShell scripts to manage the health and performance of Manulife applications
- Used application monitoring softwares such as Dynatrace, New Relic and PRTG to ensure that the required SLOs were met

### COUNTING OPINIONS | WEB DEVELOPER (CO-OP)

May 2021 – Jul 2021 | Remote

- Used JavaScript and MySQL to aggregate data for a reference tracker app for Librarians
- Designed the home screen for the reference tracker using UI tools such as HTML, CSS, JavaScript and proto.io

### M'LEARNIN CENTRE | ACADEMIC TUTOR

Oct 2020 – Dec 2022 | Remote

- Worked as a teacher for Grade 9-12 students: Math, Physics and Chemistry
- Implemented research-based Math, Physics and Chemistry curriculum to deliver lessons to support students' academic achievement

## PROJECTS

### PORTFOLIO WEBSITE | HTML, CSS, JAVASCRIPT, REACT

2023

- Hosted on: <http://RitvikDeshpande.github.io/Portfolio>
- Designed the portfolio using React components and React hooks for state management
- Used EmailJS to connect email service for potential contacts

### PERFORMANCE MANAGEMENT WEBSITE | HTML, CSS, JAVASCRIPT, NODE.JS

2021

- Designed, developed, tested, and deployed a performance management site that allows employees and managers to send and receive performance reviews
- Used MongoDB schema for storing data of each employee

## SKILLS

### PROGRAMMING

Proficient:

SQL • C • C++ • Java • Python • JavaScript • CSS • HTML

Experienced:

PowerShell • L<sup>A</sup>T<sub>E</sub>X • Fortran

Familiar:

Go • Haskell • Assembly

### LIBRARIES/Frameworks

JUnit • OOP Principles • jQuery • Node.js • React

### TOOLS/PLATFORMS

Git • Postman • Dynatrace • PRTG • Heroku • MongoDB • Visual Studio IDE

## EDUCATION

### MCMASTER UNIVERSITY

COMPUTER SCIENCE

Sep 2020 - Present | Hamilton, Ontario

Cum. GPA: 3.75 / 4.0

## COURSEWORK

- Introduction to Software Development - OOP Principles
- Data Structures & Algorithms
- Databases (SQL)
- Computer Architecture - Digital logic course
- Introduction to Python
- Operating Systems

## EXTRACURRICULAR

- McMaster Book Club
- McMaster AI Society