Ritvik Deshpande

Software Engineer

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EXPERIENCE

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
- → Used Object Oriented Principles such as encapsulation to ensure that the retrieval of Dashboard data was secure
- → 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 – Current | Remote

- → Working as a teacher for Grade 9-12 students: Math, Physics and Chemistry
- → Implementing research-based Math, Physics and Chemistry curriculum to deliver lessons that support students' academic achievement
- → Creating, conducting, and grading practice tests and providing feedback on student performance

STUDICA | Systems Mechanical Engineer (Internship)
Jul 2019 – Aug 2019 | Mississauga, Ontario

- → Worked full-time testing VEX robotics products and making them ready for commercial use
- → Documented product defects using bug tracking system

PROJECTS

PERFORMANCE MANAGEMENT WEBSITE | HTML, CSS, JavaScript, node.js
2020

- → Hosted a fully functional web service on: https://performi.herokuapp.com/
- → Designed, developed, tested, and deployed a performance management site that allows employees and managers to send and receive performance reviews

MESSENGER CHATBOT | Node.js, Firebase
2019

- → Enabled and facilitated onboarding of new teams to help get started with Robotics
- → Efficiently integrated the Blue Alliance API to fetch information about a Robotics team's history

SKILLS

PROGRAMMING

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

Experienced:
PowerShell • LATEX • 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