

# Ayush Goel

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## OBJECTIVE

Seeking a full-time opportunity starting Summer 2022.

## EDUCATION

### ROCHESTER INSTITUTE OF TECHNOLOGY

MS IN COMPUTER SCIENCE

2021-2022

GPA: 4.00

BS IN COMPUTER SCIENCE

BS IN COMPUTATIONAL

MATHEMATICS

2017-2021

GPA: 3.75

## COURSEWORK

Functional Programming Skills

Analysis of Algorithms

Principles of Data Management

Concepts of Parallel and Distributed Systems

## SKILLS

### LANGUAGES

Java • Python • Bash • MySQL

Groovy • C

### TOOLS

git • Linux • Spring Boot • Maven

Docker • Kubernetes • Jenkins

Splunk • DynamoDB • Flask

Confluence • Tableau

## ACTIVITIES

### COMPUTER SCIENCE HOUSE

SEPTEMBER 2018 - PRESENT

EVALUATIONS DIRECTOR 2019

A university community of computing centred people focused on technical and social development of its members.

### CS AMBASSADOR

SEPTEMBER 2015 - PRESENT

Represent the department of computer science at RIT; developed strong leadership and communication skills.

## EXPERIENCE

### INTUIT | SOFTWARE ENGINEERING Co-Op

May 2019 - December 2019 | San Diego, CA

- Back end software engineer on the Identity Platform.
- Migrated REST services from deploying via Spinnaker to utilizing **Docker** and **Kubernetes** without any downtime.
- Helped create tools for other teams to migrate from Spinnaker, as well as start a new service in Kubernetes.
- Worked primarily in **Java** using **Spring Boot** and **Maven**. Used **Groovy** for scripts.

### ROCHESTER INSTITUTE OF TECHNOLOGY | MULTIPLE POSITIONS

Research Software Engineer | May 2020 - Present

- Collaboratively develop, test, deploy, and document **ASSERT**, a **Java** and **Python** application to continuously synthesize and separate cyberattack behavior models to enable better prediction of future actions.
- Transform the current research prototype to a leaner and better containerized application.
- Develop dynamic visualization dashboards using **Tableau** for analyzing models created by **ASSERT**.

Supplemental Instruction Program Assistant | January 2020 - December 2020

- Aid in running the Supplemental Instruction (SI) program at RIT.
- Assist with the planning and facilitating of new hires and weekly trainings.
- Observe and provide constructive feedback to SI leaders.

Orientation Coordinator | January 2020 - October 2020

- Responsible for organization and development of Orientation Program at RIT.
- Manage, mentor and train Orientation Supervisors and Orientation Leaders.
- Develop strong leadership, organization, communication, and team building skills.

## PROJECTS

### RIDE BOARD [github.com/ag-ayush/rideboard](https://github.com/ag-ayush/rideboard)

A web application developed for hosting large-scale events during which users would like to carpool in order to reach their destination. The app was built using **Flask-SQLAlchemy**, **PostgreSQL**, **Python Flask**, **Flask-pyoidc** and **bootstrap** and deployed using OpenShift. I learned about relational databases using SQLAlchemy, database design, and hosting databases with phpPgAdmin.

### SMART SHADES [github.com/ag-ayush/smart-window-shades](https://github.com/ag-ayush/smart-window-shades)

A web service, written with **Python Flask**, **bootstrap**, **JavaScript** and **AJAX**, that allows one to control their window shades. The physical shades system was built with a Raspberry Pi and a stepper motor. I learned about JavaScript, programming using RaspberryPi and working with hardware.

## AWARDS

2019 NRS Scholar

2017-2020 Dean's List at RIT

2017 Best External Data at DataFest, RIT