

Ayush Goel

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OBJECTIVE

Seeking a co-op / internship opportunity in Summer 2021.

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

BS/MS IN COMPUTER SCIENCE

BS IN COMPUTATIONAL MATHEMATICS

2017-2021

GPA: 3.74

LINKS

Github:// [ag-ayush](#)

LinkedIn:// [ag-ayush](#)

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

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

One of the students representing 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

- Work on 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.
- Collaboratively develop, test, deploy, and document the research prototype, in its current form and as the new containerized application.

Supplemental Instruction Program Assistant | January 2020 - Present

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

Orientation Coordinator | January 2020 - Present

- 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

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

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

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| 2019 | NRS Scholar |
| 2017-2020 | Dean's List at RIT |
| 2017 | Best External Data at DataFest, RIT |