

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: 3.78

COURSEWORK

Functional Programming Skills

Analysis of Algorithms

Principles of Data Management

Concepts of Parallel and Distributed Systems

SKILLS

LANGUAGES

Java • Python • Bash • MySQL

Groovy

TOOLS

git • Linux • Spring Boot • Maven

Docker • Kubernetes • Jenkins

Splunk • DynamoDB • Flask

Confluence • Tableau

ACTIVITIES

COMPUTER SCIENCE HOUSE

SEPTEMBER 2017 - PRESENT

EVALUATIONS DIRECTOR 2019

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

CS AMBASSADOR

SEPTEMBER 2018 - 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 2 REST services from deploying through Spinnaker to utilizing **Docker** and **Kubernetes** with no downtime.
- Created tools to semi-automate the migration for other teams.
- Collaborated across teams to create the stack of a new back-end service.
- Utilized **Java** with **Spring Boot** and **Maven**, and 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 **Python**, **Dash** and **Plotly** for analyzing models created by ASSERT.

Supplemental Instruction Program Assistant | January 2020 - December 2020

- Collaboratively helped run the Supplemental Instruction (SI) program at RIT.
- Assisted with the planning and facilitating of new hires and weekly trainings.
- Observed and provided constructive feedback to SI leaders.

Orientation Coordinator | January 2020 - October 2020

- Collaborated across departments to organize and develop Orientation Program at RIT for 3000 students.
- Managed, mentored and trained 20 Orientation Supervisors and 150 Orientation Leaders.
- Developed 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 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

2017-2020	Dean's List at RIT
2019	NRS Scholar