Ayush Goel

ayushgoel.com | ag.goelayush@gmail.com | 315.572.6532
Github:// ag-ayush | LinkedIn:// ag-ayush

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
- 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
- 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 **bootsrap**, 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