

# Rahul Raja

rahulraja.sbu@gmail.edu | [linkedin.com/in/rahul-raja-977b32203/](https://www.linkedin.com/in/rahul-raja-977b32203/) | [github.com/RR003](https://github.com/RR003) |  
**Personal Website and Portfolio** : [rr003.github.io/PersonalWebsite](https://rr003.github.io/PersonalWebsite)

## EDUCATION

### **Stony Brook University**

*BS in Computer Science — GPA : 3.90*

Honors Program, Specialization in AI and Data Science

Stony Brook, NY

*Expected Graduation: May 2024*

Relevant Coursework: OOP, Data Structures, Programming Abstractions, System Fundamentals 1, Analysis of Algorithms, Introduction to Data Science, Discrete Math, Probability and Statistics

Current Coursework: Software Development, Machine Learning, Computational Geometry

## EXPERIENCE

### **Software Engineer Intern**

*Verisk Analytics*

June 2022 – August 2022

*Jersey City, NJ*

- Implemented Lambda function with Maven framework to decompress AWS SQS messages used to call Polk API and process the response to be saved in DynamoDB which helped account for 50% more information for total loss
- Redesigned backend for Foreclosure project in Java to consume both old and new JSON responses and created JUnit tests which increased coverage by over 80%, while also making respective enhancements in the frontend using EmberJS
- Configured and updated property files for 20 micro service projects and verified successful builds using Jenkins

### **CS Teaching Assistant**

*Stony Brook University*

August 2021 – Present

- Fall 2022: System Fundamentals 1 TA: course based on microarchitecture along with programming in Assembly.
- Fall 2021: Object Oriented Programming TA: course based on introduction to OOP concepts along with programming in Java
- Led weekly recitation and programming labs for class size of 30 students and held weekly open office hours for total course size of 150 - 200 students

### **Web Developer Intern**

*SaveAway*

February 2021 – August 2021

*New York, NY*

- Solved 30 tickets for features/bugs for an E-commerce web application using Spring MVC framework, JavaScript, ElasticSearch, and Microsoft SQL Server which resulted in increase of new users by over 25%
- Created CI/CD pipeline using Github actions to deploy war file to acceptance server

## PROJECTS

### **Stockfluence** | *ReactJS, NodeJS, Express, MongoDB, CronJob, AWS*

Dec 2021 - Feb 2022

- Engineered full-stack application using MERN stack that analyzes the effect of tweets from influencers on both stock and crypto market
- Developed full REST API in NodeJS and Express for Twitter, stock, and database calls
- Deployed CronJobs on AWS Lambda and Cloudwatch that runs daily to calculate short and long term change of tweets – currently analyzed over 10,000 tweets

### **Showbinge** | *ReactJS, Redux, SpringBoot, PostgreSQL*

Aug 2021 - Sep 2021

- Developed full-stack web application using Spring Boot which serves a REST API and React as the frontend, along with PostgreSQL database
- Invoked real authentication and authorization when signing in and creating an account
- Implemented various features including user watch list and logs for movies and shows, custom recommendations tailored to each user based on activity, and connect with other people

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, HTML/CSS, SQL, Assembly, SML

**Frameworks:** ReactJS, NodeJS, Express, JUnit, Spring Boot, Flask

**Developer Tools:** Git/Github, AWS, Postman, VS Code, IntelliJ/Eclipse, Heroku, Firebase, Jira

**Libraries:** Pandas, NumPy, Matplotlib