

Shreyas Raman

518-226-2662 | ramanshreyas.gm@gmail.com | <https://linkedin.com/in/ramanshreyas/> | github.com/ShreyasRaman7 | <https://shreyas.vercel.app/>

EDUCATION

Stony Brook University

Bachelor of Science in Computer Science

Stony Brook, NY

Aug. 2020 – Dec. 2023

Courses: Machine Learning, Cloud Computing, Systems Fundamentals I, Software Development, Computer Networks, Programming Abstractions, Analysis Of Algorithms, Data Structures and Algorithms, Probability Theory, Linear Algebra, and Finite Mathematics Structures.

Extracurriculars: Secretary of SBU Debate Club, ITS Undergraduate Fellow, SBU Computing Club, ColorStack

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, SQL, JavaScript, HTML/CSS, Haskell, MIPS, R

Frameworks: React, MongoDB, RabbitMQ, Node.js, Express.js, .Net, Boomi

Developer Tools: Git, Ansible, Postman, Docker, Power Bi, MS Visio, MongoDB, Hive, Hue, Hadoop

Certifications: Boomi Professional Developer, Confluence

EXPERIENCE

Integration Developer

Danaher- Cytiva Life Sciences

February 2022 – Present

Marlborough, MA

- Implemented HR data repository to distribute timely notifications to employees in high-risk areas using Boomi.
- Responsible for unit test, load test, FMEA, documentation and project reviews ensuring effective middleware functionality. Integrated and streamlined processes across platforms using Boomi.

Software Engineering & Data Analytics Intern

Regeneron

May 2023 – August 2023

Rensselaer, NY

- Designed and developed the following apps in **R Shiny**:
 - * an inventory tracking app to track trends in parts usage and disposal
 - * a freezer space tracker and analysis app to ensure freezer space does not run out by monitoring and extrapolating freezer space usage based on incoming sample batches and planned disposals
- Presented my apps and future vision for the project to Senior VP of Manufacturing at Regeneron.

Data Analyst – Technical Intern

General Motors

Jun. 2022 – August 2022

Detroit, MI - Virtual

- Led projects for the Service Insights team, implementing Power BI dashboards to enhance data analysis and insights about the OnStar platform.
- Provided adhoc sales and service insight reports to dealerships on request.
- Utilized SQL in Hadoop for efficient management and access of large-scale datasets.

Software Developer - Undergraduate Research Project

Stony Brook University

Aug 2021 – Present

Stony Brook, NY

- Vertically Integrated Project – Computing for Good:** Working for local nonprofits to help them digitize and take their services online or to increase their efficiency by creating websites and backing it up with databases.

PROJECTS

Gerrymandering Simulation and Analysis App | *Java, React, Spring Python*

January 2023 – May 2023

- Demonstrated proficiency in multiple programming languages, including JavaScript, Python, and Java, while designing a large-scale system with a user-friendly interface and efficient data management using MongoDB.
- Preprocessed data using Python, then ran a redistricting algorithm to evaluate the impact of redistricting and gerrymandering on incumbent elections during the critical 2022 Congressional elections, using cutting-edge technologies such as SeaWulf High Performance Computational Cluster to run the algorithm thousands of times.

Rock Hall Museum Virtual Tour | *HTML, CSS, and JavaScript*

May 2023

- Collaborated with the VIP team to develop a web-based, interactive 360-degree virtual tour of the Rock Hall Museum, a historic house located in Lawrence, NY.
- Developed the virtual tour interface using HTML, CSS, and JavaScript, linking various MIME types - jpg, pdf, mp3, and mp4 - to create an accessible, interactive experience for visitors.