Shreyas Raman

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Master of Science in Computer Science w/ spec. in Machine Learning   *Dec 2023 – Aug 2025*

Stony Brook University   Stony Brook, NY
Bachelor of Science in Computer Science   *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.

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,Kubernetes, Docker, Power Bi, Visio, MongoDB, Hive, Excel, Hadoop, Spark
Certifications: Boomi Professional Developer, Confluence

EXPERIENCE

IT Data Developer   January 2024 – Present
Regeneron Pharmaceuticals   *Rensselaer, NY*
- Supported the IOPS (Industrial Operations and Product Supply) IT department by contributing to the development of data repositories, focusing on ingestion, analysis, and visualization areas.
- Developed and maintained data pipelines, implementing Extract, Transform, Load (ETL) processes. This ensured efficient and seamless data flow throughout the organization, contributing to data integrity and accessibility.
- Worked on ingesting, storing, processing and analyzing data sets to create scalable and high-performance web services for tracking data.

Integration Developer   February 2022 – October 2023
Danaher- Cytiva Life Sciences   *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. Integrated and streamlined processes across platforms using Boomi.

Software Engineering & Data Analytics Intern   May 2023 – August 2023
Regeneron Pharmaceuticals   *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   Jun. 2022 – August 2022
General Motors   *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.

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.