

SAI CHAKRADAR M

Rochester, NY 14623

☎ +1 781-579-0701 ✉ sm2962@g.rit.edu [in linkedin.com/in/saichakardar](https://www.linkedin.com/in/saichakardar)

Education

Rochester Institute of Technology

August 2020 - May 2025

Bachelor of Technology in Computing and Information Technologies

Rochester, New York

Technical Skills

Programming Languages: Java, Python, JavaScript, PHP, SQL, Bash, XML/XSLT

Web Frameworks: React.js, AngularJS, jQuery, Bootstrap, Material-UI, HTML5, CSS3

Databases: MySQL, MongoDB, Neo4j, Oracle

DevOps Tools: AWS, GitHub, Jenkins, Docker, Eclipse, VMWare, NetBeans, Active Directory, TCP/UDP

Project Management Methodologies: Jira, Agile, Unit Testing, Test Automation

Experience

Rochester Institute Of Technology

January 2025 - Present

Tutor

Rochester, NY

- Conduct personalized office hours for **Java** and **Python** tutoring, assisting 5+ students per session in mastering **object-oriented programming** and **data structures**.
- Improved **student comprehension** and academic performance through **hands-on coding** guidance and conceptual reinforcement.

Rochester Institute Of Technology

January 2024 - December 2024

Backend Developer / UI-UX

Rochester, NY

- Revamped and modernized the **GCCIS touchscreen directory**, optimizing professor office navigation with advanced filters and a user-friendly **Angular** front-end.
- Automated database updates, eliminating manual **JSON** edits and reducing downtime by 30%.
- Engineered a seamless backend integration using **MariaDB**, automating **data management** and eliminating manual JSON edits—reducing system downtime by over 30%.

State Street

June 2023 - August 2023

Software Developer Intern

Boston, MA

- Refined and maintained multi-tier banking web apps for the State Street vendor using J2EE stack: **HTML**, **XML/XSL**, **JDBC**, **CSS**, **Servlets**, and **JavaScript**.
- Delivered backend solutions with **SQL** and **RedHat** Enterprise, boosting system reliability through automated unit and functional testing.
- Enhanced the **PLUS** and **PLUS WEB** interfaces in collaboration with cross-functional teams, cutting user-reported issues by 15% and achieving a 95% client satisfaction rate.

C-Tel Info systems

May 2022 - August 2022

Software Developer Intern

Hyderabad, India

- Built **REST APIs** for the **AERMS application**, increasing user productivity by 20%.
- Coordinated in **Agile** sprints with a 15+ member team, ensuring timely delivery of modules that met business and technical requirements.
- Operated **Kafka**-based event-driven modules, enhancing performance and scalability by 30%.

Projects

MongoDB Search Application | RIT

- Built a scalable volcano search app using **HTML**, **CSS**, **jQuery**, **MongoDB Atlas**, and **AWS EC2**, boosting search performance by 50% with **GridFS** and **geoNear**.

Lunar Rovers Simulation via Multicast IP | RIT

- Developed a lunar rover simulation with **Java** and **Multicast IP**, enhancing network stability by 11% through API optimization and **Docker** deployment with **DynamoDB**.

Spam Email Detection System | Personal

- Created a **Machine learning**-based spam filter using **TF-IDF**, **Naive Bayes**, and **SVM**, achieving high precision in spam classification.