

SAI CHAKRADAR MERUVA

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Education

Rochester Institute of Technology

August 2020 - December 2024

Bachelor of Technology in Computer Science : CGPA : 3.3/4

Rochester ,New York

Technical Skills

Programming Languages:Java, Python, C++, XML, Linux, CSS, JavaScript, mySQL, R, MongoDB, React

Developer Tools: Microsoft Suite, Eclipse, NetBeans, Jupyter Notebook,VMWare, Adobe CC

Technologies/Frameworks: Github, Matlab, XCode

Experience

C-Tel Info systems

May 2022 - August 2022

Software Developer Intern

Hyderabad, India

- Successfully designed and developed REST APIs for CRUD operations for the AERMS application, which resulted in a 20 percent increase in user productivity.
- Assisted in the agile development process for AERMS application, collaborating with a cross-functional team of 15+ stakeholders to deliver solutions that met business requirements on-time and within budget.
- Demonstrated expertise in developing modules on Event-based Architecture using Kafka, resulting in a 30 percent improvement in application performance and scalability.

Tata Consultancy Services

June 2023 - August 2023

Software Developer Intern

Boston, MA

- Worked in StateStreet's Backend development team, excelled in writing clean and efficient Java code, collaborating closely with cross-functional teams to elevate the user interface of the PLUS and PLUSWEB web service.
- Responsible for resolving Backend technical issues and utilising your expertise in SQL,JavaScript and RedHat Enterprise to deliver seamless and optimised functionality.
- Successfully liaised with internal teams such as developers and team leads to identify system requirements and ensure project success, resulting in a 95 percent client satisfaction.

Projects

MongoDB Search Application | RIT

January 2022 - May 2022

- Drafted and developed a robust search application for a volcano database, serving over 5000 active users using HTML,CSS,jQuery.
- Utilized AWS to host the server and MongoDB Atlas to host the database, resulting in seamless integration with other AWS services and reliable, fast access to data.
- Reduced image upload and download time by 50 percent by implementing GridFS and Over 70 percent of all searches involved the use of geoNear queries in MongoDB.

Event Management System | RIT

January 2022 - May 2022

- Designed and developed a feature-rich web application for an event management system that streamlined the planning and execution of events using HTML, CSS, jQuery, PHP, and SQL.
- Implemented user role-based views and utilized jQuery Ajax to improve interactivity and responsiveness, resulting in a seamless user experience
- Developed database functions using PDO and object mapping to ensure data integrity and consistency across the application.

Optimal Path for Orienteering | RIT

January 2022 - May 2022

- Designed and implemented an optimal path finding algorithm for orienteering, achieving an efficiency rate of over 90 percent.
- Successfully incorporated heuristics into the A* algorithm to accurately determine the best path between two points across various terrains.
- Refined path finding efficiency by 25 percent by fine-tuning heuristics and optimizing the A* algorithm.