

Sai Nikhil Yandamuri

<https://sainikhilyandamuri.github.io//>

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EDUCATION

- **San Jose State University** San Jose, CA
Master of Science in Computer Software Engineering. Jan. 2021 – Expected Dec. 2022
- **Manipal Institute of Technology** Manipal, India
Bachelor of Technology in Computer and Communication; GPA: 3.12 (7.8/10.0) Aug. 2014 – May. 2018

EXPERIENCE

- **Cerner Healthcare Solution India Pvt Ltd** Bengaluru, KA, India
Software Engineer/Software Intern Jan 2018 - Dec-2020
 - **Web Application for Agile Metrics:** Developed a a Web Application which shows Agile Metrics required for project manager. The dashboard consisted of Agile metrics such as cycle time, development time, testing time, throughput and turn around time for client issues.
 - **Automation in Infrastructure of Business Intelligence Solutions:** Develop and maintain software infrastructure of Business Intelligence solutions along with automation to reduce human effort and error. Configured and Automated the installation of Third Party Software Using Chef.
 - **Security in Infrastructure of Business Intelligence Solutions:** Resolved OWASP Dependency Vulnerabilities and exploitable security vulnerabilities in source code using Fortify Static code analyzer (SAST).
 - **Intelligent Data Filler Tool:** Created a tool to insert required number of dummy data into the database as per the selected algorithm by the user using JAVA(backend) ,Bootstrap(Front-end), javascript. The tool was able to update the required data with writing Insert Queries every time and delete the data that was created with using Delete Queries. Presented the same in Cerner Annual Developer Conference India 2019.
- **IMIMobile** Hyderabad, TS, India
Summer Intern May 2017 - July 2017
 - **KPI Dashboard:** Created various Dashboards in Tableau by using the various data analytic options provided within it such as graphs, KPI's for various client campaigns.
 - **Automation using Python:** Automated alerts using python where python was used to send E-Mails whenever required conditions are not satisfied.

TECHNICAL SKILLS

- **Languages:** Java, Javascript, SQL **Build and Deploy:** AWS, Chef, Docker, GIT
- **Unit Testing:** Junit, Mocha JS, React Testing Library, ChefSpec **Databases:** MySQL, MongoDB
- **Web Technologies:** HTML5, React, NodeJS, Rest API, GraphQL, Apache Kafka, CSS

ACADEMIC PROJECTS

- **Simulation of Reddit** Spring-21
Web application for social news aggregation, discussion and communities based on interests
 - Developed a prototype of Reddit website enabling users to discuss and join communities.
 - Customized the application to send invite to other users to join a community, add posts etc.
 - **Technologies:** React.js, Node.js, Redux, MySQL, MongoDB, Kafka, Mocha, Redis, AWS EC2, Passport.js
- **Simulation of Splitwise** Spring-21
Web application to track bills and other expenses **Demo**
 - Developed a prototype of Splitwise website enabling users to track bills and other expenses.
 - Customized the application to send invite to other users to join a group, add bill etc.
 - **Technologies:** React.js, Node.js, Redux, MySQL, MongoDB, Kafka, Mocha, JMeter, AWS EC2, Passport.js, GraphQL

ACHIEVEMENTS

- Increased the throughput to get more than 10000 messages from 80 requests/minute to 3500 requests/minute by using SQL caching (Redis).
- Reduced the downtime for production servers by 4 hours and human error by 40% by automating the process using Chef.