

Tirumala Saiteja Goruganthu

190 Ryland Street, San Jose, CA 95110 | +1 669-649-8325

saiteja.goruganthu121@gmail.com | [My LinkedIn Page](#) | github.com/saitejagoruganthu | saitejagoruganthu.com

EDUCATION

San Jose State University, San Jose, CA

August 2022 – May 2024 (Expected)

Master of Science in Computer Engineering

GPA: 4.0 / 4.0

Coursework: Enterprise Software Platforms, Software Engineering Processes, Software Quality-Assurance and Testing, Computer Architecture and Design, Surveillance Drone Cloud Master Project.

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer, Tata Consultancy Services

May 2019 – July 2022

- Designed and launched variety of applications using **Microservices architecture** with **Spring Boot** as backend, interactive UI with **Angular** and **React**, querying **PostgreSQL** database, and deployed using **AWS EC2**.
- Contributed to a product that facilitated **low-code development**, enabling the rapid creation of web and mobile applications, leading to a 30% reduction in development time and increased team productivity..
- Led a team of 22 fresh recruits to develop a user-friendly **Angular** dashboard utilizing material design guidelines.
- Bagged the **Beyond Excellence Award** for developing the Advanced-Search component, leveraging the Angular-Material framework to deliver an optimized user interface for search functionality.
- Enhanced and maintained server and GUI **Java** kits to migrate models from **Monolithic** to **Microservices** architecture, resulting in a 40% increase in productivity.

Software Developer Intern, Tata Consultancy Services

September 2018 – April 2019

- Collaborated with cross-functional teams to design, develop, and deploy clean and scalable code for web applications.
- Utilized JavaScript libraries such as React, **AngularJS**, and **jQuery** to build responsive user interfaces.
- Applied knowledge of data structures, algorithms, and OOPS principles to optimize application performance.

SKILLS

- Programming Languages:** Java, C, C++, Python, SQL, JavaScript, TypeScript.
- Technologies/Frameworks:** HTML5, CSS3, SCSS, WAI-ARIA, jQuery, PHP, Angular, Node.js, Express.js, React.js, Next.js, Redux, MVC, JIRA, Vue.js, SDLC, Tailwind CSS, Docker, AWS, REST APIs.
- Tools and Simulation Software:** Git, npm, Figma, Eclipse, Visual Studio Code, Postman, Maven.
- Databases:** MongoDB, Redis, CockroachDB, PostgreSQL.
- Soft Skills:** Teamwork, Time management, Problem-solving, Strong verbal, and written communication skills.

PROJECTS

AI and Cloud-Based Dynamic Drone Tracking and Surveillance

January 2024

- Developed real-time cloud-based tracking component to monitor drone locations, speeds, telemetry data.
- Implemented the UI in **ReactJS** and integrated APIs to display dynamic drone data from the cloud.
- Established communication with drone simulator via **Python** to acquire live telemetry data through API.
- Collaborated with database lead to store and retrieve mission plans from **MongoDB** cloud.

Spotify 2.0 Clone Using React and Redux - <https://musicapp.saitejagoruganthu.com/>

April 2023

- Gained expertise in creating **React** functional components and their efficient reusability.
- Utilized **Redux Toolkit** for efficient application state management, ensuring smooth data flow.
- Applied proficiency in developing responsive user interfaces by leveraging the power of **Tailwind CSS**.
- Demonstrated the ability to seamlessly retrieve data from diverse sources using **RapidAPI**.

Task Manager Application Using MEAN Stack - <https://tasksapp.saitejagoruganthu.com/>

December 2022

- Implemented login and sign-up features by applying the **JWT authentication** technique with access tokens.
- Incorporated features to achieve basic **CRUD** operations on both lists as well as tasks.
- Engineered a **responsive layout** to build a user-friendly and device-independent interface.
- Deployed the database cluster onto MongoDB Atlas Cloud and pushed final deployables to free-tier servers.

AWARDS AND CERTIFICATIONS

- Inducted into the **Honor Society of Phi Kappa Phi** for academic excellence at San Jose State University.
- Awarded the **Certificate of Excellence** and a **Gold Medal** for being the valedictorian in the Undergraduate class of 2019.