

# Sai Karthik Karra

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## EXPERIENCE

### Software Engineer

February 2023–Present

*Center For Development of Telematics*

*New Delhi, India*

- Designed and developed interactive web pages leveraging Spring Boot and JavaScript frameworks to enhance user experience and performance.
- Architected and developed a mobile-responsive web application using ReactJS, Node.js, and Express.js, featuring robust cookie management and scalability to handle high customer traffic.
- Ideated and developed Java applications that reduced processing time by 50% and increased throughput by 40%.
- Utilized automation libraries such as Mocha and Cypress to automate test case evaluation, enhancing efficiency by 50% and reducing time effort by 70%.
- Developed automated shell scripts for memory management, optimizing resource utilization and enhancing application efficiency.
- Deployed web applications using Docker for efficient management and scalability.
- Managed multiple Docker containers, each running a unique image and bound to different ports for seamless accessibility and conflict-free operation.

### Java-Cloud GCP Intern

April 2022–September 2022

*Wipro*

*Remote*

- Proficient in HTML, CSS, JavaScript, Java, and MySQL, with hands-on training in AngularJS for creating responsive and dynamic web applications.
- Experienced in cloud computing concepts, including infrastructure, storage, and networking, with practical training on Google Cloud Platform (GCP) for scalable cloud solutions.
- Developed and deployed a fully functional e-commerce website on a cloud platform, ensuring a user-friendly and secure online shopping experience.

## TECHNICAL SKILLS

- **Programming Skills:** Java, Data Structures and Algorithms, JavaScript.
- **Frameworks, Libraries And Databases:** React.js, Node.js, Express.js, Spring Boot, MongoDB, SQL
- **Developer Tools, Core Concepts:** Git, Docker, Gitlab, VS Code, Postman, Jenkins, Operating systems, Low-level design.

## PROJECTS

### 1. Weather Application | *Tailwind CSS, React.js*

Sep 2024 - Sep 2024

- Developed a weather application using React, integrating with Open Weather API to provide real-time 3-hour and daily weather updates for global locations, including the user's current location.
- Implemented dynamic temperature-based colour display and leveraged React Hooks for efficient data handling
- Designed a responsive and user-friendly interface using the Tailwind CSS library for a seamless user experience across devices.

### 2. Chat Application System | *Node.js, React.js, Socket.io*

July 2023- Aug 2023

- Developed a real-time chat application using Node.js and React.js with Socket.io for seamless communication.
- Implemented client-server architecture to facilitate instant messaging, enabling users to engage in live chat sessions
- Demonstrated proficiency in full-stack development by managing both the frontend and backend components.

### 3. E-commerce Online Shopping Portal | *AngularJS, Spring Boot, SQL, Google Cloud*

July 2022–Sep 2022

- Developed a scalable e-commerce application with cart and billing systems, product filtering, and dual user management with admin-restricted access.
- Deployed the application on Google Cloud Buckets to handle increased customer demand efficiently.

## EDUCATION

### Guru Nanak Institutions Technical Campus

*Bachelor of Technology in Electronics and Communication Engineering*

Hyderabad, Telangana

*July 2018–July 2022*

## ACHIEVEMENTS AND CERTIFICATIONS

- **Oracle Certificate:** Cloud Foundations Associate Certification by Oracle.
- **Academic Achievement:** Honoree of the Gold Medal for securing a CGPA of 9.20.