

# KARRA SAI KARTHIK

## SOFTWARE DEVELOPER

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### ► SUMMARY

Experienced Software Developer with over a year's focus on React JS, Java, and Node JS development. Skilled in creating thorough test plans and automating test cases for efficient testing. Offers valuable insights in product design reviews, contributing to robust software solutions

### ► SKILLS

**LANGUAGES:** JavaScript, Java  
**FRAMEWORKS & LIBRARIES:** React JS, Node JS, Express JS, SpringBoot  
**DATABASE:** MySQL, MongoDB  
**OPERATING SYSTEMS:** Windows, Linux  
**DEVOPS AND TOOLS:** Git, Docker  
**CORE CONCEPTS:** Cloud computing, Problem solving, Datastructures and Algorithms  
**WEB DEVELOPMENT:** HTML, CSS, UI/UX Design

### ► EDUCATION

**Guru Nanak Institutions Technical Campus** June 2018 - Sept. 2022  
Bachelor of Technology Electronics and Communication Engineering 2022  
\* Secured a total of 9.2 GPA/CGPA  
\* Honoree of Gold Medal for Academic Excellence.  
\* Authored and Published the Research paper on the IJSEAS website titled as Blind Assistive Device in Shopping Malls.  
\* Telecommunication Intern, BSNL, Completed in 2021  
\* Completed Coursework of IOT, Sensor Technology through Adobe RedHat  
\* Completed Coursework of Satellite Communications through Coursera.  
\* Completed Coursework: Java programming through NPTEL.

### ► PUBLICATIONS

**DEVELOPMENT OF BLIND ASSISTIVE DEVICE IN SHOPPING MALLS** June 2022 - July 2022  
The visual impaired people will find easy way of shopping their necessities using the device developed.  
Link: <https://ijseas.com/issue-archive-2/volume-8/issue6/>

### ► EMPLOYMENT

**Centre for Development of Telematics(C-DOT), Software Developer, New Delhi**

Feb. 2023 - Current

#### 1. NATIONAL SECURITY PROJECT:

- \* Ideated and developed web pages using Java and JavaScript libraries.
- \* Managed the web application's data operations and user management roles using the PostgreSQL database.
- \* Validated and performed API testing on the developed features to ensure an efficient workflow.

#### 2. MOBILE-ENHANCED DISASTER RESILIENT THROUGH CELL BROADCAST EMERGENCY ALERTING:

- \* Ideated and developed web applications using React JS and Node JS frameworks.
- \* Developed user-role management and session management workflows using React libraries.
- \* Managed data-driven operations with MySQL and MongoDB databases.
- \* Performed API testing, Functional Testing, and Stress Testing on web applications to ensure efficiency.
- \* Automated web application testing using the Cypress tool to reduce manual effort and testing time.
- \* Developed automated scripts using Shell and Bash for Memory management of applications
- \* Collaborated effectively with team members to meet project deadlines and deliverables.

**Wipro, Java-GCP Intern, Remote**

Apr. 2022 - Sept. 2022

- \* Proficient in HTML, CSS, JavaScript, Java, Docker, and MySQL, with hands-on training in the AngularJS framework.
- \* Experienced in cloud computing, including infrastructure, storage, and networking, through training on Google Cloud Platform (GCP).
- \* Developed and deployed a fully functional e-commerce website on a cloud platform.
- \* Demonstrated ability to consistently meet project deadlines and deliverables.

### ► PROJECTS

#### Weather Application

Aug. 2024 - Aug. 2024

1. A Responsive Weather application Website crafted with React and Vite JS and styled using Tailwind CSS, powered by data from OpenWeatherMap.
2. Offers 3-hour and daily weather updates for any location.
3. Displays real-time weather for the user's current location and any city globally.

#### Food Order App

Sept. 2023 - Oct. 2023

1. This application has been developed using React as the client-side framework and Node as the server-side framework.
2. The application reflects features like user management, Session management using the JWT Tokens, Cart functionality, and Search functionality

#### Chat Application

Aug. 2023 - Aug. 2023

created a chat application using Node.js and react.js. Here react code will act as Client side and Node will act as Server side. The communication between client and server is done using the socket communication.

#### Shop For Home

July 2022 - Aug. 2022

1. This project is developed with the team of 6 individuals.
2. An e-commerce website featuring online home decor using the Angular framework, Java, and Spring Boot Architecture.
3. This website reflects features like User management, Product Filters and Search functionality, and Cart functionality.
4. Later, the same application is deployed in the Bucket Storage of the Google Cloud Platform using the Kubernetes deployment

#### Food-App with UI/UX

Oct. 2022 - Oct. 2022

Ideated and Developed the Food order applications with landing pages.  
Indulged in using the wireframes and prototype concepts in UI/UX.  
Developed using the Figma Tool

### ► AWARDS

**Gold Medal for Academic Excellence**, *Guru Nanak Institutions Technical Campus*

Sept. 2022

Honouree of the Gold Medal for academic excellence in the department of Electronics and Communication Engineering with CGPA 9.20