

## SUMMARY

Seeking an innovative and challenging career in a growing organization that gives me an opportunity to utilize my skills & knowledge and provides me an opportunity for career growth.

## CERTIFICATIONS

- Java Full Stack Developer
- Salesforce Administrator
- Python

## SKILLS

- **Front-End** : HTML 5 - CSS 3 - JavaScript
- **Back-End** : Java - OOPs - Core Java - J2EE - CRUD - JDBC - JSP - SMTP
- **Database** : MySQL
- **Version Control** : GitHub

## EDUCATION

### Sona College of Technology, Salem

MCA – Master of Computer Applications, 2023  
CGPA: 7.96

### Jairam Arts & Science College, Salem

BSc – Bachelor of Computer Science, 2021  
CGPA: 7.433

### Sri Gayathri Higher Secondary School, Salem

HSC, 72% 2018

### Sri Gayathri Higher Secondary School, Salem

SSLC, 77% 2016

## PUBLICATION

### IoT-Based Passenger Authentication System for Transportation Services

Published in 2023 2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN) .

Link: <https://ieeexplore.ieee.org/document/10157579>

## WORKSHOP

### Smartphone Troubleshooting

I attended a “Smartphone Troubleshooting” workshop at the New Technology Mobile Service and Training Institute.

**Place:** Chennai  
**Date:**

## PROJECTS

### Portfolio

Developed a personal portfolio website showcasing skills in HTML, CSS, JavaScript, and Java Server Pages (JSP), with responsive design for multi-device compatibility. Integrated Java SMTP for contact form functionality, demonstrating expertise in web development and Java programming. Utilized Git for version control. The website highlights projects and emphasizing proficiency in frontend and server-side technologies.

**Role:** Front-end, Java SMTP Code

- Link: <https://karthikeyanportfolio.helioho.st>

### IoT-Based Passenger Authentication System for Transportation Services

Developed an 'IoT-Based Passenger Authentication System' using RFID technology to enhance passenger authentication and automate vehicle door operations. The system verifies passenger authenticity through RFID-based unique identities, personalized security questions, and OTP communication. Streamlining access and ensuring passenger safety.

**Role:** Coding and Circuit Design

### Enhancing Aquaculture Yield Through Data-Driven Fish Species Recommendation System

I developed a web application that employs a linear discriminant algorithm to offer targeted food recommendations for aquaculture fish farmers. The application features a user-friendly interface with a responsive design, enabling farmers to input specific requirements and receive tailored food suggestions based on their aquaculture operations.

**Role:** Front-end, Back-end, Django Framework and Python coding

### Symposium of CyberTalk'22 Website

Developed a college symposium website enabling candidates to register their details seamlessly. Designed and implemented an intuitive web interface that facilitated efficient registration and information management. This project highlights my web development skills and ability to create user-friendly platforms to streamline event registration processes.

**Role:** Front-end and Responsive Design

- Link: <https://cybertalk22.netlify.app/>