# SHRIVIDYAADEVI V

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## SUMMARY

Full stack developer with a strong foundation in both frontend and backend technologies. Experienced in building user-focused applications and quick to adapt to new tools and frameworks. Flexible, collaborative, and driven to deliver efficient, scalable solutions. Committed to continuous learning and contributing effectively in dynamic team environments.

## SKILLS

- **Programming Languages:** C, Java (Intermediate Level)
- **Web Development:** Proficient in HTML, CSS with backend integration experience
- **Machine Learning:** Trained and optimized models for real-world applications
- **Coursework:** Web Development, Machine Learning

- **Teamwork & Project Management:** Strong contributor in team projects and hackathons
- **Communication:** Clear and confident in both technical and interpersonal communication
- **Leadership:** Frontend lead for the Digitalized Bonafide System project and led multiple hackathon teams

## EDUCATION

**B.E Computer Science and Engineering |** Sri Ramakrishna Engineering College          **2022 - 2026**
CGPA: **8.03** (Up to 6th Semester)

**HSC |** SRV Hitech Matriculation Higher Secondary School          **2020 - 2021**
Percentage: **89.68**%

**SSLC |** Vetri Vikaas Girls Higher Secondary School          **2018 - 2019**
Percentage: **84.2**%

## INTERNSHIP

Intern , PM Square Soft Services Pvt. Ltd.

- Designed and implemented a feedback form with integrated rating and comment features, handling both frontend and backend development for the Valet Parking app.
- Improved driver assignment logic by introducing validation checks to prevent duplicate driver allocations, enhancing overall system accuracy.

## PROJECTS AND PUBLICATIONS

1. Cloudburst Prediction System using Machine Learning

- Presented at ICDSA 2024, this research focuses on using machine learning models to predict cloudburst events in vulnerable regions like the Himalayas.
- Link: https://link.springer.com/chapter/10.1007/978-981-96-2724-0_18

2. Comparative Analysis of Chicken and Mutton Spoilage By Analyzing Methane (CH) and Ammonia (NH)

- Designed a sensor-based system to monitor methane ($CH_4$) and ammonia ($NH_3$) levels for early detection of meat spoilage.
- Applied the CUSUM algorithm for real-time analysis, supporting food safety and reducing wastage through intelligent alerting.

3. Digitalized Bonafide Request System
- Developed a web-based solution to streamline bonafide certificate requests for students.
- Automated tutor, Administrative Coordinator (AC), and Head of Department (HoD) approval workflows via email.
- Worked in frontend development and contributed to backend integration.

4. Underbody Vehicle Inspection System (UVIS)
- Engineered a prototype using HD cameras, LiDAR, and YOLOv5/YOLOv8 object detection models for real-time underbody inspection of vehicles.
- Implemented image enhancement for low-light visibility and integrated a custom GUI for visualization.
- Supports driver safety through embedded edge AI on Raspberry Pi 5, with potential for ADAS and mobile interface integration.

## CERTIFICATIONS

- Oracle APEX Cloud Developer Certified Professional: Recognized as an Oracle Certified Professional by Oracle Corporation on 2025-05
- Foundations of Cybersecurity: Google Cybersecurity Professional Certificate on 2024-03
- Computer Architecture: Digital Logic Circuits course with Great Learning Academy on 2024-01
- C Programming Comprehensive Training Bundle at Infosys Springboard on 2023-11
- Android Application Development at Great Learning Academy on 2023-06

## AFFILIATIONS

- Secretary of the Association of Computer Engineers (ACE) 2025-2026
- Joint Secretary of the Association of Computer Engineers (ACE) 2024-2025
- Executive Member in the Microsoft Learn Student Ambassador program (MLSA) 2023-2024

## HACKATHONS PARTICIPATED

- Finalist in SIH Internal Hackathon (2024) at Sri Ramakrisluna Engineering College.
- Ist Place in SREC Hackathon for the Digitalized Bonafide Certificate System.
- Participated in the Ultimate Hackathon (2023-09-13) by Yi Coimbatore Innovation & Yuva Vertical
- Competed in Smart India Hackathon 2023 (SIH 2023).
- Participant in Innovathon at SREC, Coimbatore.