

CHELUVAMBA N R

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SUMMARY

An impulsive individual aspiring Front-End Developer with a foundation in embedded systems, IoT and software development and a passion for exploring new technologies, currently advancing the skills through a Python Full-Stack Development course. Eager to apply technical expertise to build engaging and efficient web experiences. Committed to continuous learning, innovation and professional growth.

EDUCATION

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|--|----------------------------------|------|--------|
| • B.E in Electronics and Communication Engineering | S J C Institute of Technology | 2025 | 90% |
| • Pre-University Course | Vidhyadri Pre-University College | 2021 | 98.66% |
| • Secondary School leaving certificate | Pragathi High School | 2019 | 92.96% |

ACADEMIC PROJECTS

AI Driven Child Safety System for Real-time Abuse Detection and Alert Mechanism March-2025

- Developed an AI-powered real-time monitoring system for detecting child abuse using computer vision and machine learning.
- Implemented on a Raspberry Pi 4B with a Raspberry Pi Camera Module 3 for continuous video analysis and used MediaPipe for pose estimation and hand tracking to identify aggressive movements and distress signals.
- Integrated Telegram API to send real-time alerts to registered mobile numbers when suspicious behavior is detected.

Scenic Shots -- Photography Gallery Website June-2025

- Designed and developed a fully responsive photography website featuring 25+ curated images categorized into nature and flower shots.
- Created a clean navigation bar, image gallery layout, and custom descriptions using semantic HTML and CSS Grid/Flexbox.
- Implemented an organized, user-friendly structure with sections like Home, About, Gallery, and Contact.

Mini-Cart -- E-Commerce Product Showcase Website June-2025

- Designed and built a dynamic e-commerce website using HTML, CSS, Bootstrap, and JavaScript to display electronics products like phones, laptops, watches, and TVs.
- Developed categorized product listings with collapsible sections and integrated product details, pricing, and "Add to Cart" buttons.
- Implemented responsive layout and interactive navigation bar with dropdown menus and optimized UI with consistent styling, badge counters, and image-based cards for better visual presentation.

INTERNSHIPS

R&D product development intern at ELMEASURE India Pvt. Ltd 10-Oct-2024 to 17-Jan-2025

- ✓ Worked with ESP32 and Arduino for real-time data acquisition and processing as a part of Embedded Systems & IoT Development.
- ✓ Trained on firmware for energy meters, implemented Wi-Fi communication, and integrated data with ThingSpeak cloud for remote monitoring.
- ✓ Developed an IoT-Based Smart Energy Meter: Designed and developed an IoT-enabled energy meter using infrared pulse detection, data transmission via APIs, and real-time visualization on a cloud dashboard.

TECHNICAL SKILLS

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|-------------|--------------|
| ✓ HTML5 | ✓ JavaScript |
| ✓ CSS3 | ✓ SQL |
| ✓ Bootstrap | |

CAREER SKILLS

- ✓ Creative design strategy
- ✓ Task prioritization
- ✓ Logistical planning

CERTIFICATIONS

- | | | |
|------------------------|---------------------------|-----------------|
| • Python Full stack | Global Quest Technologies | Pursuing (2025) |
| • Python for beginners | Simplilearn | July 2024 |
| • C programming course | Infosys springboard | June 2024 |