

Carolin Mary NC

 coimbatore /  carolinmary301@gmail.com/  9345884261 /  Carolin Nixon /  Carolin301

EDUCATION

2023 - 2027

Kalaignarkarunanidhi Institute of Technology - Coimbatore, India

B.E - Electronics and Communication Engineering, Pre-Final year.

Current CGPA: 7.84/10.0

Coursework: Electronics(Core Circuits & Devices),Communication System,Embedded Systems&Microprocessors,Signal Processing.

EXPERIENCE

Software Developer Intern, Brainery Spot Technology - Coimbatore, India (offline)

May-June 2025

- Developed responsive web pages using HTML,CSS ensuring compatibility across devices.
- Built interactive forms with client-side validation using JavaScript.
- Worked with VS Code for coding, debugging, and testing web projects.

Network Security for WSNs, Amal Controls - Coimbatore, India (offline)

Dec-2024

- Learned and implemented basic network security measures to prevent unauthorized access.
- Hands-on experience with network troubleshooting and security protocols.
- Monitored and analyzed with network monitoring tools.

PROJECTS

VOICE-ASSIST MESH|A SMART ADAPTIVE VOICE HOME AUTOMATION FOR PARALYZED PEOPLE

Oct 2025

- This system integrates adaptive smart technologies, including voice control, gesture recognition and environmental controls.
- Voice and gesture-based control for seamless operation of home devices.
- Adaptive learning to predict user needs and reduce manual input.
- Safety features like emergency alerts.

DISTANCE MEASUREMENT SYSTEM | Arduino UNO, Ultrasonic Sensor, 12C LCD Display, Arduino IDE

Oct 2025

- Designed and implemented an ultrasonic distance measurement system using an Arduino microcontroller and a sensor to deliver fast accurate and non-contact distance readings.
- Integrated a 16x2 I2C LCD for real-time data display and efficient measurement tool.
- Demonstrated proficiency in sensor interfacing, embedded system and hardware-software integration.
- The project highlights to debug the distance measurement system that includes sensor interfacing, real-time data monitoring.

TECHNICAL SKILLS

C GITHUB

JAVA HTML

OOPS CSS

SQL SPRINGBOOT

CERTIFICATIONS & COURSES

Infosys - Python Foundation

[Link](#) | 2023

Infosys - Database Management System part-1

[Link](#) | 2025

Infosys - Database Management System part-2

[Link](#) | 2025

Infosys - Java Foundation

[Link](#) | 2024

Mathworks - Matlab onramp

[Link](#) | 2024

Mathworks - Image Processing Onramp

[Link](#) | 2025

COMPETITIVE PROGRAMMING

Leetcode : Max rating - 1541

Codechef : Max rating - 1110 | Position : 1 Star