

# Dhanu Dharvin B

**Phone:** +91 99528 16664

**Email:** dhanubalagesan@gmail.com

**LinkedIn:** <https://linkedin.com/in/dhanu-dharvin>

**GitHub:** <https://github.com/dhanu0503>



## OBJECTIVE

To secure an internship or entry-level opportunity in software or hardware domains, where I can apply my knowledge in programming, embedded systems, and electronics. Eager to contribute to real-time projects, improve practical skills, and learn through collaboration and hands-on experience.

## EDUCATION

### B.E. Electronics and Communication Engineering

2022–Present

*Saveetha Engineering College, Chennai*

CGPA: 9.20 (Till 5th Semester)

Relevant Coursework: Embedded Systems, VLSI Design, Communication Systems

### HSC – Higher Secondary Certificate (Computer Science)

2021–2022

*Our Lady of Lourdes MHSS, Pollachi*

Percentage: 86.33%

## SKILLS

**Programming Languages:** C, Python, Java

**Simulation Tools:** Cadence Virtuoso, LTSpice, Proteus

**Hardware & IDEs:** Arduino IDE, Vivado (HDL)

**Languages Known:** Tamil, English

## PROJECTS

### Line & Human Following Robot

2024

*Arduino, Sensors*

Designed and developed a multifunctional robot that follows lines using IR sensors and detects humans through ultrasonic sensors. Implemented a mode-switching logic enabling dynamic behavior between line-following and human-following modes. Thoroughly tested in various environments to ensure reliability.

### Obstacle Avoiding Robot

2024

*Proteus Simulation*

Simulated an autonomous robot that detects obstacles using IR sensors and avoids collisions via real-time navigation logic. Iterative simulation cycles improved efficiency and robustness.

### Bluetooth Controlled RC Car

2023

*Arduino IDE*

Built an RC car controlled remotely via Bluetooth, integrating an L293D motor driver for precise control. Developed a reliable command protocol for smooth, low-latency operation with performance tests validating stability.

# INTERNSHIP

## Embedded Systems Intern

June 2023

*UNIQ Technologies, Chennai*

Worked on Arduino-based robotic projects including line-following and Bluetooth-controlled RC cars. Gained experience in microcontroller programming, sensor interfacing, and simulation using Proteus. Collaborated with peers to debug and enhance embedded functionalities for real-time applications.

# CERTIFICATIONS & ACHIEVEMENTS

- **NPTEL:** Cloud Computing, Internet of Things (IoT)
- **Udemy:** HDL (Hardware Description Language) Certification
- **Academic:** 100% Attendance in School and College

# EXTRACURRICULAR ACTIVITIES

- Overall Workshop Coordinator, ECE Dept. – DrestEin 2024
- Workshop Coordinator, Non-Stationary Signal Processing – DrestEin 2023
- Active volunteer in college-level technical and cultural events

# HOBBIES

- Listening to music
- Cycling
- Marathon running
- Volunteering
- Practicing time management and punctuality