Dhanu Dharvin B

Phone: +91 99528 16664
Email: dhanubalagesan@gmail.com

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

PERSONAL DETAILS

LinkedIn: https://linkedin.com/in/dhanu-dharvin-7352b1261
GitHub: https://github.com/dhanu0503
Location: Pollachi, Tamil Nadu, India