

# ASHWIN BALAAJI J



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## PROFILE INFO

I am a passionate and driven Electronics and Communication Engineering (ECE) student with a deep interest for learning and creating innovative technologies and ideas. My interest lies in Web Design, VLSI (Very Large Scale Integration), IoT (Internet of Things), and Programming.

## EDUCATION

### RMD Engineering College

B.E in Electronics and  
Communication -Pursing  
CGPA - 8.6 | Upto 5th Sem  
Graduate 2026 | TN, India

### EVERWIN SCHOOL

HSC

Score: 90.17 %

Passed 2022 | TN, India

### EVERWIN SCHOOL

SSLC

Score: 85.4 %

Passed 2020 | TN, India

## SKILLS

### Coding Languages

Intermediate:

Java | C++ | Python | SQL | C |  
HTML | CSS | JAVASCRIPT |  
Verilog

### Soft Skills:

Problem Solving | Leadership |  
Communication | Teamwork

## ACHIEVEMENTS

- Runner up of the Intra department project contest.
- Received Discipline star certificate from NPTEL.
- Solved 2700+ programs in SkillRack portal.

## LANGUAGES

- English (Fluent)
- Tamil (Fluent)
- German (Basics)

## PROJECTS

### Gas Leakage Detector

2022

- Developed a gas leakage detecting system using **Arduino Uno** which detects gases, fire and smoke using the **MQ-6** sensor. When gas is detected it turns on the exhaust fan, buzzer and send a warning message.

### Portable Water Purifier

2022

- Developed a portable water purification system which **remove the impurities and bacteria**. For, removing impurities we used **cotton, gravel and sand** for killing microorganisms used **UV light** all inside a water bottle.

### GPS Tracking System

2023

- Developed GPS tracking system using **Arduino board** and **GPS** sensor. It conveys the exact **longitudinal and latitudinal location**.

### Micro Maze Mouse

2024

- Developed a **automatic moving system** which travels through the terrain using the **ultrasonic sensor** for obstacle detection .

## EXPERIENCE

### NSIC - Intern

June 2024 - July 2024, Ekkaduthangal

- Training on Embedded Systems with IOT. In this period I learned about making a power regulator circuit using **IC7805**, circuit design and working with **Proteus** software.

### Nirloba - Intern

June 2024 - July 2024, Alandur

- Training on Embedded Systems with IOT. In this period I learned about working with **PIC microcontroller** and its **interfacing** with other components.

### Interpe - Intern

Jan 2024 - Feb 2024, Online

- Trained on Web Development using **HTML,CSS and JavaScript**. Learned to create calculator webpage, sales webpage etc...

## CERTIFICATIONS

- The Joy Of Computing Using Python ( Elite + Silver ) - NPTEL
- Enhancing Soft Skills and Personality ( Elite + Silver ) - NPTEL
- Integrated Circuits and Applications - NPTEL
- Introduction to Internet Of Things ( Elite + Gold ) - NPTEL
- Java Programming Fundamentals - Infosys Springboard
- Problem Solving Through Programming in C ( Elite ) - NPTEL

and 5 more Professional Certificates.

"I hereby declare that everything mentioned above is true to my knowledge"