



HEMATH D

B.E, ELECTRONICS AND COMMUNICATION ENGINEERING

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👤 CAREER OBJECTIVE

“A passionate frontend developer with hands-on experience in building my own portfolio website using **HTML**, **CSS**, and **JavaScript**. Actively exploring the **IT sector** and contributing to projects that solve real-world problems, while continuously improving skills in front-end development, **IoT**, and **software integration**.”

🎓 EDUCATION

B.E, ELECTRONICS AND COMMUNICATION ENGINEERING, 2023 – 2026
Dhanalakshmi Srinivasan Engineering College (Autonomous) Perambalur.
CGPA: 7.9, Batch 2023 - 2026

Higher Secondary Certificate 2021 – 2022
Pannai Matric Higher Secondary School - 89% Dindigul

Secondary School Leaving Certificate 2019 – 2020
Pannai Matric Higher Secondary School - 95.8% Dindigul

📁 INTERNSHIP EXPERIENCE

Embedded System Internship, IIES Indian Institute Of Embedded Systems. 07/2025 – 08/2025
Worked with Embedded C programming on Keil software to run the **8051 microcontroller**, enabling **LED blinking** and displaying text on a **16x2 I2C LCD**. Bangalore

Embedded system, NSIC. 08/2025 – 08/2025
Gained hands-on experience in using a **General Purpose (GP) board** for connecting **resistors, LEDs, and integrated circuits (ICs)** to design and test electronic circuits. Chennai

IOT Internship, Alas RoboTech Solution. 02/2025 – 03/2025
Developed hands-on works using **Arduino boards, ESP32, and ESP8266** to build the **wifi display 16x16 i2c**. Salem

👤 LEADERSHIP ACTIVITIES

- Led the team in designing and developing the main project – an **IoT-based Home Automation system**, coordinating tasks, **guiding technical implementation**, and ensuring timely delivery.
- Organized a **technical event on Circuit Debugging** to engage students from other colleges and **foster collaboration** within the student community.

PROJECTS

Smoke and fire detector

- Developed an Smoke and fire detector using **Arduino, GSM module Smoke and Fire Sensor**.
- When the sensor detects smoke or fire, the **GSM module** will automatically call your phone to alert you.

IOT based Home automation

- “Built a **home automation system using IoT** technology to remotely control household appliances via a **mobile app**. Utilized the **ESP8266 module** for Wi-Fi connectivity.”

Personal Portfolio website

- Using HTML, CSS and Javascript

TECHNICAL SKILLS

IOT & Automation

Arduino programming, Embedded Systems

Version Control & Collaboration

Git, GitHub, Team-based Projects

Programming Languages

Python and java (Basics)

CERTIFICATES

AWS academy

Cloud architecting, IP address - March 2024

NPTEL

Introduction of Internet of Things - oct 2024

CISCO Networking Academy

Python Essential for beginners - Jan 2023

WORKSHOPS AND EVENTS

Drone Technology

PSG College of Engineering, Coimbatore - oct 2023

Concept of Fullstack Development

Sri Ramakrishna Engineering College, Coimbatore -
sep 2024

National Level Virtual Innovate Hackathon 4.0

Organized by EMATIX Embedded & Software
Solution - Feb 2025

ACHIEVEMENTS

Zonal Level Athlete

Secured 2nd place in the 100-Meter Hurdles at the
Zonal Level, Natham District

LANGUAGES

- Tamil
- English