# HEMATH D

Vadamadurai, Dindigul, Tamilnadu

📞 6379461321  ✉ devahemath123@gmail.com  🔗 linkedin.com/in/hemath2004/  🐙 github.com/Devahemath

🌐 hemath.netlify.app

## Professional Summary

A passionate frontend developer with hands-on experience in building applications using **HTML, CSS and JavaScript**. Active exploration of the IT sector and core field and contribution to projects that solve real-world problems while continuously improving skills in **front-end development, IoT** and software integration.

## Education

**Dhanalakshmi Srinivasan Engineering College**                                    **Oct 2022 – June 2026**

*Bachelor of Electronics and Communication Engineering* – CGPA: 8.3/10                          *Perambalur, Tamilnadu*

## Experience

**Internships and workshops**                                                   **Jan 2024 - Jan 2025**

*Embedded System, IOT and Fullstack Development*                          *Chennai, coimbatore, Salem - TamilNadu*

- 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.
- Developed skills in **solderless prototyping using a breadboard to test circuit designs** before final implementation.
- Gained a comprehensive understanding of **backend operations** supporting frontend applications by working with **MySQL and PHP.**
- Developed and managed backend operations using PHP and MySQL, including database design, API creation, and server-side logic to support seamless integration with frontend applications and ensure data security.
- Acquire in-depth knowledge of specific components, their operational principles, and undertake multiple projects to apply and reinforce this understanding.
- Developed hands-on skills in working with **Arduino boards, ESP32, and ESP8266** to build and implement several mini projects.

## Projects

**Smoke and fire dector** | *Embedded Project*                                             **October 2024**

- Developed an Smoke and fire dector using **Arduino, GSM module smoke and fire sensor**.
- The project is designed to detect the presence of smoke or fire using a flame sensor. Upon detection, the system automatically triggers a GSM module to place a phone call to the user.
- When the sensor detects smoke or fire, the GSM module will automatically call your phone to alert you.

**Home Automation using IoT** | *IoT Project*                                                   **Jan 2025**

- **Role:** Developer | **Tech:** ESP8266, Mobile App, IoT
- Developed a **home automation system using IoT** technology to **remotely control household appliances** via a mobile application.
- Utilized the **ESP8266** module to establish Wi-Fi connectivity through a local mobile network.

**Personal Portfolio website** [Live Link] | *Frontend*

- Designed and developed a **personal portfolio website** to showcase projects and skills.
- Developed the user interface using frontend technologies such as **HTML, CSS, and JavaScript** to provide a seamless and interactive user experience.

## Technical Skills

**ProgrammingLanguages**: Python, Java, HTML/CSS, JavaScript
**Developer Tools**: VS Code, Git, Hackerrank
**Technologies/Frameworks**: Linux, GitHub, Flutter
**Certificates**: **NPTEL**-IOT, **AWS**-Cloud Architecting, **CISCO**-Python Essential, **IBM**-Data Analysis with Python

## Extracurricular

- **Hackathon Participant** – Flame Sensor Alert System Collaborated in a team to develop a fire detection system using sensors and GSM module for emergency alerting. .
- Online Course Certifications  Learning Initiatives Proactively pursued self-learning through**NPTEL, Cisco, Coursera** in IoT, Python, and Excel to enhance technical and analytical skills beyond academics.