

Mahadevan Syam

 [Mahadevan Syam](#)
 [Portfolio Website](#)
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 mahadevansyam@gmail.com

EDUCATION

Vellore Institute of Technology, Vellore Campus

2021 - 2025

B. Tech Electronics and Communication Engineering

Current GPA: 8.89/10.0

Sarvodaya Vidyalaya ICSE

2021

10th - 94%, 12th - 92%

CERTIFICATIONS

Entrepreneurship: NPTEL

ASIC Designing using Cadence Tools: VIT, Vellore

Internet of Things: VIT, Vellore

SKILLS

Programming Languages: Python, Embedded C, Java, HTML/CSS

Technologies: RESTful API, FLASK, Mosquitto MQTT, OpenCV, Tensorflow

Hardware: Raspberry Pi, Arduino Boards, ESP Boards(8266, 32)

CAD Tools: Fusion 360 electronics(Eagle), MatLab, TinkerCad, VerilogHDL, Spice simulation (Cadence Virtuoso, Pspice, LTSpice)

Miscellaneous: Adobe Illustrator, Figma

Languages: English, Malayalam, Hindi

PROJECTS AND RESEARCH PAPER

IoT-Based Automation System in ESL Classrooms | *Research Paper-Mentor:Dr.M.Thenmozhi* July 2022 - Nov. 2022

- Under the guidance of Prof. Dr. M. Thenmozhi, a research was conducted a group of 5 members in which the problems and benefits related with introduction of IoT devices in english as a secondary language classroom was documented and published.

IoT Based RFID/ Fingerprint Attendance System | *Team Project - Mentor: Dr. Sangeetha A* June 2023

- An attendance register based on RFID and fingerprint technology (using ESP8266 microcontroller)
- Data collected was stored in an excel file.
- A local webserver was hosted using the ESP8266 in which all the details would be shown

PROFESSIONAL EXPERIENCE

CDAC Thiruvananthapuram | *Project Intern*

August 2023 - Present

- IoT based health monitoring system for remote access
- Skills:**Python, RESTful API, FLASK Framework, MQTT, MySQL

JOL Energy | *Electrical and Electronics Intern*

August 2023 - Present

- Jol Energy is a startup under VIT vellore
- Helped in designing two of their products
- Skills:**Analog circuit design, PCB Design

VOLUNTEER EXPERIENCE

IEEE SPS VIT Student Chapter | *Core Member*

March 2022 - Present

- Organiser and Speaker on sensor technology at Electrohive, Hardware hackathon
- Class session on Arduino and Arduino IDE
- Skills:**Communication, Management, Teamwork

EXTRA - CURRICULAR

Grade 5 Electronic Keyboard player | *Trinity College, London*