

MADAVA VENKAT J

ECE UNDERGRAD WITH A FOCUS ON VLSI TECHNOLOGY

Profile

Actively pursuing innovative projects in VLSI and embedded systems, with a proven track record of growth and adaptability. Dynamic Senior Administration Coordinator at IAESTE with 1+ year of experience enhancing operational efficiency and stakeholder engagement.

Work Experience

Senior Administration Coordinator, IAESTE LC KARUNYA

Feb 2025- Present

Junior Administration Coordinator, IAESTE LC KARUNYA

Jan 2024-Jan 2025

Educational Background

B.Tech Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore (Aug 2023-Present)

Grade 12, GRD Public School, Coimbatore (Jul 2022- May 2023)

Grade 10, GRD Public School, Coimbatore (Jul 2021- May 2022)

Internships

Summer Intern, Salzer Group, Coimbatore (Apr 2024-May 2024)

Gained insights into transformer and electronic device manufacturing.

Summer Intern, Vasantha Advanced Systems, Coimbatore

(May 2024-Jun 2024)

Learned PCB assembly, testing, and wave soldering.

Courses

- 1) AUTHORIZATION PROCESS LEVEL 1 SWITCHES, ABB Ltd(Sep 2024).
- 2) Microsoft Power BI by Microsoft Learn (May 2025).
- 3) System Design Through Verilog, IIT Guwahati (Jul 2024 - Sep 2024).
- 4) English Language for Competitive Exams, IIT Madras (Feb 2024 - May 2024).
- 5) Mastering C++ Fundamentals, Udemy (Jan 2024).
- 6) Python, Cisco Networking Academy (Feb 2024).
- 7) Wireless Communication, MathWorks (Oct 2024).

Projects

- 1) Keypad-Based Door Lock System using Arduino Uno and a keypad module.
- 2) Earthquake Detector using Arduino Uno and an accelerometer.
- 3) Air Quality Monitoring System using MQ-2 sensor with Arduino Uno.
- 4) DC Motor Speed Controller: Implemented PWM technique with 555 timer IC to control DC motor speed.
- 5) Remote Health Monitoring System IoT-based health monitoring device using Arduino Uno to track patient vitals remotely.

Workshops and Conferences

- 1) Workshop on STM32 for Embedded Systems, Coimbatore (Nov 2024).
- 2) Project Audit at Karunya University - ECE Department, Coimbatore (Oct 2024).
- 3) IAESTE INDIA's National Conference, Manipal (Jan 2025).

Contact

Coimbatore,Tamil Nadu.

+91 7806938699

venkatmadava2005@gmail.com

LinkedIn :

<https://www.linkedin.com/in/madavavenkatj/>

Skills

- Administration
- VLSI
- Team Collaboration
- Communication

Tools/Software

- Power BI
- LT Spice
- TINA
- Vivado

Languages

- English (Fluent)
- Hindi (Proficient)

Programming Languages

- C++
- Python
- C