

MADAVA VENKAT J

ECE UNDERGRAD WITH A FOCUS ON VLSI TECHNOLOGY

Profile

Dynamic Senior Administration Coordinator with over a year of experience driving administrative excellence and operational efficiency. at IAESTE LC Karunya. Proven ability to adapt and grow within roles, transitioning from a Junior to Senior position while consistently enhancing communication and stakeholder engagement. Actively pursuing innovative projects in VLSI technology and cutting-edge research, demonstrating a strong commitment to professional development and impactful contributions in the field.

Work Experience

Senior Administration Coordinator, IAESTE LC KARUNYA

Feb 2025- Present

In the role of Senior Administration Coordinator at IAESTE LC Karunya, responsibilities include overseeing various administrative functions to facilitate effective operations within the organization. This position involves coordinating with team members to ensure smooth execution of projects and events. By managing communication between stakeholders, the aim is to enhance collaboration and efficiency within the team.

Junior Administration Coordinator, IAESTE LC KARUNYA

Jan 2024-Jan 2025

As a Junior Administration Coordinator at IAESTE LC Karunya, crucial support was provided to senior management in organizing administrative tasks. The role involved assisting in the planning and execution of events, as well as maintaining records and communications. This experience helped to develop skills in project management and team collaboration.

Educational Background

B.Tech Electronics and Communication Engineering, Karunya Institute of Technology and Sciences

Aug 2023-Present

Grade 12, GRD Public School

Jul 2022- May 2023

Grade 10, GRD Public School

Jul 2021- May 2022

Internships

Summer Intern, Vasantha Advanced Systems, Coimbatore.

May 2024-Jun 2024

Got an opportunity to intern at Vasantha advanced systems. I learnt electronic components PCB assembly, PCB testing and wave soldering.

Summer Intern, Salzer Group, Coimbatore.

Apr 2024-May 2024

Interned at Salzer electronics limited for and learnt about the different processes that takes place in making transformer, load breakers and other electronic devices.

Contact

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[LinkedIn Profile](#)

Skills

- Administrative Coorinator
- VLSI
- Team Collaboration
- Communication

Tools/Software

- LT Spice
- TINA
- Vivado
- Proteus

Languages

- English (Fluent)
- Hindi (Proficient)

Courses

System Design Through Verilog, Indian Institute of Technology, Guwahati

Jul 2024-Sep 2024

English Language for Competitive Exams, Indian Institute of Technology, Madras

Feb 2024-May 2024

Mastering C++ fundamentals for proficient programming, Udemy

Jan 2024-Jan 2024

B.A Hindi, Dakshina Bharat Hindi Prachar Sabha

Jan 2011-Jul 2020

Python, Cisco Networking Academy

Feb 2024-Feb 2024

Wireless Communication, MathWorks

Oct 2024-Oct 2024

Projects

KEYPAD BASED DOOR LOCK SYSTEM USING ARDUINO UNO.

Got an opportunity to present this cutting-edge keypad based door lock model as my first semester EEE (blended learning) project. This keypad-based door lock works in integration with Arduino.

EARTHQUAKE DETECTOR USING ARDUINO UNO.

Made an earthquake detector using Arduino Uno and an accelerometer module. Completed a groundbreaking project on Arduino Uno-based earthquake detection, showcasing my proficiency in hardware development and signal processing.

AIR QUALITY MONITORING AND ALERT SYSTEM USING ARDUINO UNO.

Made an Air quality monitoring system using MQ - 2 sensor in order to monitor indoor air quality and the environment.

DC MOTOR SPEED CONTROLLER USING PWM.

Used the concept of Pulse Width Modulation (PWM) and controlled the speed of DC motor with the help of 555 timer IC.

REMOTE HEALTH MONITORING SYSTEM USING ARDUINO UNO.

Incorporated the concepts of IoT and Arduino microcontroller to monitor a patient's health.

Workshops and Conferences

Workshop on STM32 for Embedded Systems, Coimbatore.

Nov 2024-Nov 2024

IAESTE INDIA's National Conference, Manipal.

Jan 2025-Jan 2025

Project Audit at Karunya University - ECE Department, Coimbatore.

Oct 2024-Oct 2024

Webinar on **INNOVATIVE APPROACHES IN WEARABLE ANTENNA TECHNOLOGY.**

Seminar conducted on the topic "**UNLOCKING GLOBAL RECOGNITION: EXPLORE AWARDS AND ACHIEVEMENTS IN IEEE FOR YOUNG TECHNOCRATS**".