

# LOGAVARATHAN B

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## Career Objective

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Aspiring Electrical and Electronics Engineering student with hands-on project experience in IoT and Embedded Systems. Seeking an entry-level role where I can apply my technical skills, creativity, and passion for EV and automation technologies.

## Education

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**B.E. – Electrical and Electronics Engineering,** *Karpagam Institute of Technology* 11/2021 – 04/2025  
Coimbatore

## Course

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**Ecad(Completed)** 10/6/2026 – 10/8/2026

ECAD (Engineering Consulting and Design) provides engineering design and consulting services for construction and infrastructure projects. It supports the planning, design, and execution of buildings and industrial facilities. ECAD services include architectural, structural, and MEP design. Engineers use advanced software tools to create accurate drawings and models.

**Design MEP(Completed)** 10/3/2026 – 10/5/2026

MEP (Mechanical, Electrical, and Plumbing) design is an essential part of building engineering that focuses on creating safe, efficient, and comfortable environments for occupants. Mechanical design includes HVAC systems that provide heating, cooling, ventilation, and air quality control. Electrical design covers power distribution, lighting, fire alarm systems, backup power, and communication networks. Plumbing design involves water supply, drainage, sewage, stormwater management, and fire protection systems.

## Skills

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### Design Tools:

AutoCad  
Revit

### Automation:

PLC Programming

### Programming:

Python(Fundamentals)

### Soft Skills:

- Analytical Thinking
- problem solving
- Team Collaboration

## Professional Experience

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### Mechanic- Electric Vehicle, Government ITI,Coimbatore

15/8/2023 – 5/9/2023

Received hands-on training in EV drivetrains, battery management systems, and wiring harness assembly.

Gained practical experience in EV component diagnostics and fault troubleshooting.

## Projects

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### Industrial Machine Monitoring & Fault Prediction

Designed a real-time monitoring system using temperature, pressure, and vibration sensors to track industrial machine health. Implemented data analytics to detect early signs of malfunction, helping reduce unplanned downtime

### IOT - Based Water Distribution & Management System

Built an intelligent water management system using IoT sensors to monitor flow rate, pressure, and water levels. Integrated cloud-based data logging to enable remote monitoring, control, and usage optimization.

## Certificates

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- Certificate in Mechanic Electric Vehicle - Government ITI, Coimbatore
- Certificate in VLSI for Beginners
- Certificate in Presentation - Mount Zion

## Interests

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- Electric Vehicle Design & Technology
- PLC Programming & Industrial Automation
- Design Cad ( AutoCAD/ Revit)