

# DHANUSH KUMAR G

## B.E Electrical and Electronics Engineer

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### EXECUTIVE SUMMARY

I am a motivated B.E. Electrical and Electronics Engineering student with a strong foundation in problem-solving, circuit design, and software development. Passionate about integrating hardware and software for real-world applications, I am eager to contribute to innovative technology solutions in both electronics and IT environments. My training and projects have equipped me with valuable skills that I am excited to apply in the tech field.

### PROJECTS

#### Dumper Tyre Management System 12/2024

- Role: Sensor Calibration & UI and System Designer
- Designed and implemented a real-time tyre health monitoring system for heavy-duty dumpers to prevent accidents caused by tyre failure
- Utilized React Native, Firebase, ESP32, Arduino IDE and Sensors

#### Library Management System 04/2025

- Role: Developed & Designed Code
- Developed a console-based Library Management System using Java and MySQL with role-based Admin/Member access. Leveraged JDBC for CRUD operations and optimized SQL queries for managing books, members, and transactions.

### TRAINING



#### In-plant Training 06/2025

##### Indian Institute of Astrophysics Kodaikanal

Focused on advanced astrophysics techniques

- Completed a short-term in-plant training focused on radio interferometry and its application in astrophysics
- Gained exposure to how coordinated telescope arrays are used to capture high-resolution images of celestial objects, including black holes, through techniques employed by systems like the Event Horizon Telescope (EHT)

### EDUCATION

B.E. Electrical and Electronics Engineering CGPA-7.39  
**MEPCO Schlenk Engineering College**  
 2022 – 2026  Sivakasi

HSC 83%  
**Srivi Lions Matric. HRS. Sec. School**  
 2021 – 2022  Srivilliputtur

SSC 72%  
**Srivi Lions Matric. HRS. Sec. School**  
 2019 – 2020  Srivilliputtur

### KEY ACHIEVEMENTS



#### Finalist Smart India Hackathon 2024

Selected among top teams nationwide to present a tech solution in the Grand Finale round

### COURSES

**Programming in Java** (NPTEL)

**C Programming** (ALPHA)

**Joy of Computing Using Python** (NPTEL)

**Solved 150+ Problems in Hacker rank**

### SKILLS

C/C++

Java

Python

MYSQL

Data Structures

### TOOLS & TECHNOLOGIES

KiCad

Arduino

Filmora

Edge Impulse


### LANGUAGES


 Tamil


 Telugu

 English

### CERTIFICATIONS

 Smart Grid: Basics to Advanced Technologies (NPTEL)

 Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL)

 Computer Hardware (NAGA)

### INTERESTS

#### ☆☆ Volunteering

As an Office Bearer of NSS, Conducted multiple community service camps focused on cleaning nearby villages, teaching school students, and organizing tree plantation drives