

# DHANUSH KUMAR G

## B.E Electrical and Electronics Engineer

+91 82485 74408 [gghanushkumar2005@gmail.com](mailto:gghanushkumar2005@gmail.com)

[www.linkedin.com/in/dhanush-kumar-g-752191246](https://www.linkedin.com/in/dhanush-kumar-g-752191246)  Srivillipputtur, Tamil Nadu



## 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%

#### Sri Lanka Matic. HRS. Sec. School

 2021 – 2022  Srivillipputtur

### SSC

72%

#### Sri Lanka Matic. HRS. Sec. School

 2019 – 2020  Srivillipputtur

## 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