

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 & System Designer, and Backend Developer
- Designed and implemented a real-time tire health monitoring system for heavy-duty dumpers to prevent accidents caused by tire failure
- Utilized React Native, Spring Boot, Firebase, ESP32, Arduino IDE, and sensors

Portfolio Website [04/2025](#)

- Role: Developed & Designed Code
- Designed and implemented a personal portfolio website
Managed version control throughout the development process
Published the live site via Netlify for public access

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

HTML

Spring Boot

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