

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

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

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