

DHANUSH KUMAR G

B.E Electrical and Electronics Engineer

+91 82485 74408 gdhanushkumar2005@gmail.com
www.linkedin.com/in/dhanush-kumar-g-752191246 Srivilliputtur, 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 & 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%
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

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