RESUME

Nathiya S
19,Ramanoor,
Pasupathipalayam,Karur-639004
Mail id: nathiyaaskrr@gmail.com
Contact Number: +91 94873 23822
Linked in: www.linkedin.com/in/nathiyasivakumar044

OBJECTIVES:

Aiming to join a well-known organization where I can put my engineering skills to practical use, keep learning every day, and make a meaningful contribution to innovation and progress.

EDUCATIONAL QUALIFICATION:

Qualification	Institution/ University	Year of Passing	CGPA / Percentage (%)
B.E.,(ELECTRICAL AND ELECTRONICS ENGINEERING)	Chettinad College of Engineering and Technology, Puliyur	2022 to 2026	Upto 6th semester 8.3
HSC	Cheran Matric Higher Secondary School	2022	83%
SSLC	Cheran Matriculation School	2020	68%

JOB SKILLS:

Technical Skills:

- Core Electrical and Electronics Engineering Knowledge.
- Skilled in Microsoft Office Applications.
- MATLAB & Simulink.
- Worked with Arduino software.
- Embedded Systems and IoT Communication Protocol.
- Basics in Python and C Programming Languages.

Soft Skills:

- Public Speaking.
- Communication.
- Adaptability.
- Time Management.

PROJECTS:

- **Efficient IoT-Based Landslide and Flood Alert System:** Sensors collect real-time data on water level, rainfall, and soil moisture. The system processes this data and sends instant alerts via SMS or mobile apps when danger levels are detected.

Major and Minor Projects on Embedded Systems:

- **Green House Monitoring:** Adjusts LED brightness based on temperature, increasing it in low and reducing it in high. It allows users to control the setup in both automatic and manual modes.

- **Automatic Street Light Control:** The project that automatically turns street lights on or off is the Automatic Street Light Control System. It measures the amount of light in the environment using an LDR (light-dependent resistor). The lights turn on when it's dark and off when it's bright. By eliminating manual labor, this contributes to energy conservation.
- **Adaptive Sliding Mode Control for EVs with Hybrid Energy Storage:** The project implements an adaptive sliding mode control for EVs with a battery–supercapacitor hybrid system. It coordinates power between the battery and supercapacitor to meet vehicle demands while extending battery life. The method ensures fast, stable torque and power tracking under varying conditions.

CERTIFICATION AND INTERNSHIPS:

- Gained practical knowledge in **"Embedded Systems"** through a 2-month internship at **EdiGlobe Foundation**, from (01-09-2024 to 31-10-2024), working on both minor and major projects under expert guidance.
- Undergone industrial exposure **"Training at Chettinad Cement Factory"** for 5 days.
- Took part in the **"Energy Literacy Training"** by the **Energy Swaraj Foundation** on (02-11-2024).
- Completed a Certification Course in **"Microsoft Foundation Course on IR4.0 Technologies"** during the academic year (2024–2025).
- Successfully completed a **4-week NPTEL-certified course on "Psychology of Everyday Life"** (Aug–Sep 2023), gaining foundational insights into behavioral and psychological principles.
- Engaged in Young Indians IDS 4.0, AMD AI Challenges Workshop, and WWT, IBM Z Datathon **"Hackathons"** held at my institution.
- Actively participated in intercollegiate national technical symposiums through paper, project presentations and Seminar on **"Green India Mission: Smart Grid and Renewable Energy Systems"** conducted by **The Institution of Engineers.**

PERSONAL DETAILS:

Father's Name	**:** Sivakumar K
Mother's Name	**:** Revathi S
Date of Birth	**:** 14.11.2004
Gender	**:** Female
Age	**:** 20
Nationality	**:** Indian
Marital Status	**:** Unmarried
Languages Known	**:** Tamil, English

DECLARATION:

I do hereby declare that the above information is true to the best of my knowledge. Finally, I request the concerned authorities to provide me a chance, so that I can prove the best of myself. I shall ever be thankful and grateful to you.

PLACE :

DATE : **SIGNATURE**