

Cyril Shiju

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Profile Summary

A motivated Electrical and Electronics Engineering student with a strong interest in **electric vehicle powertrain systems**. Demonstrated leadership and hands-on experience in national-level design competitions including **eBAJA SAEINDIA 2025 (Electrical Head)** and **SAEINDIA Electric Two-Wheeler Design Competition 2025 (Team Captain)**. Skilled in battery modelling, motor control, energy management systems, and vehicle dynamics. Proficient in AutoCAD Electrical and embedded systems. Seeking to contribute technical expertise and enthusiasm to a dynamic organization.

Core Competencies

- Electrical System Design & Analysis
 - Electric Vehicle Technologies
 - Power Electronics
 - AutoCAD & Electrical Drafting
 - EV Powertrain Design
 - Instrumentation & Measurement
 - Project Development & Prototyping
 - PCB Design (KiCad) & Circuit Analysis
 - MATLAB/Simulink
 - Microcontroller Programming
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Education

B.Tech in Electrical & Electronics Engineering

Christ College of Engineering, APJ Abdul Kalam Technological University

2021 – 2025 | CGPA: 6.42

Senior Secondary , CBSE – Little Flower Public School , Muringoor – 2021 | 76%

Secondary , CBSE – CMI Public School, Chalakudy – 2019 | 88%

Projects

- **eBAJA SAE INDIA 2025** – Electrical Head, Hyderabad
- **Electric Two-Wheeler Design Competition 2025 SAE INDIA** – Team Captain, Chennai
- **ETWDC 2024 SAE INDIA** – Secured 2nd Prize in Best Endurance, Chennai
- **Hybrid Switched Capacitor–Cascaded H-Bridge 15-Level Inverter**
- **Automated Fire Extinguisher System for Two-Wheelers (ETDC 2025) SAE INDIA**
- **Hydrogen Fuel Generator (Electrolysis-based)**
- **IoT-based Home Automation System (BLYNK)**
- **CAN Data Transceiver using ESP32 (J1939 Protocol)**
- **Ultrasonic Walking Stick for the Visually Impaired**

Internships

- **Flavones Extracts Pvt. Ltd.**
Electrical Maintenance Trainee (June 2025 – Present)
 - **Vadukoot Consultants Pvt. Ltd.**
Intern (August 20 – 24, 2024)
 - **KSEB – 110 KV Substation, Panangad, Ernakulam**
Industrial Training (May 8 – 12, 2023)
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Technical Tools & Software

- AutoCAD Electrical
 - KiCad
 - MATLAB/Simulink
 - Arduino IDE
 - MiPower
 - Microsoft Office Suite
 - Microcontroller Programming
 - Arduino IDE
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Certifications

- [AutoCAD Hands-on Training](#)
 - [MATLAB Onramp Course Completion](#)
 - [AutoCAD Workshop](#)
 - [eBAJA SAE INDIA – Participation](#)
 - [ETWDC SAE INDIA 2024](#) – Electric two wheeler design competition Best Endurance 2nd Prize
 - [ETWDC SAE INDIA 2024](#) – Electric two wheeler design competition Participation
 - [ETWDC SAE INDIA 2025](#) – Electric two wheeler design competition Participation
 - [KSEB Industrial Training Certificate](#)
 - [Vadukoot Consultants Internship Certificate](#)
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Languages

- English – Fluent
- Malayalam – Native
- Tamil – Basic proficiency
- Hindi – Basic proficiency

I hereby declare that the information provided in this resume is true and correct to the best of my knowledge and belief.

Cyril Shiju