UDHAYA KUMAR
Circuit Designer

CONTACT

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- Pudukkottai,tamilnadu-04

SKILLS

- **E-CAD**
- **IOT**
- **circuit design and analysis**
- **Project Management**
- **Power system**
- **Electrical Component Knowledge**

EDUCATION

B.E- Electrical and Electronics Engineering
2021 - 2025
Sudharsan Engineering College
CGPA - **7.7**

CERTIFICATES

- won 1st prize in **PAPER PRESENTATION** &QUIZ in tecxpolre 22.
- Participated in **PAPER PRESENTATION** and QUIZ in many colleges.
- Completed **E-CAD course** with hands-on experience in electrical circuit design and simulation.

LANGUAGES

- English (Fluent)
- Tamil(Fluent)

PROFILE

Motivated and enthusiastic Electrical and Electronics Engineering graduate with a solid foundation in circuit design, and power electronics.Basic knowledge in PCB design and signal processing. Skilled in using tools like MATLAB and SPICE for circuit simulation and analysis. Strong understanding of both analog and digital electronics, with a keen interest in control systems and automation. Eager to apply academic knowledge and technical skills to real-world engineering challenges. Committed to continuous learning and growth in the field of electrical and electronics engineering,.

EXPERIENCE

Electrical Vehicle Engineering Intern
Aug-05-2024 to Aug -25-2024

company : National smallscale industries corporation

- Assisted in the design and development of electric vehicle components, including battery management systems and power electronics..
- Conducted testing and analysis on battery systems, identifying key areas for improvement.
- Developed simulation models to predict the behavior of electrical systems under various operating conditions.
- Gained hands-on experience with software tools such as MATLAB, Simulink, and CAD for circuit design and analysis..
- Participated in team meetings and brainstorming sessions, contributing innovative ideas for improving EV component designs and testing methodologies.

soft skills

- **Problem-Solving:** Strong analytical skills to identify problems, think critically, and come up with practical solutions.
- **Teamwork:** Ability to work effectively in a team setting, contributing to group goals and collaborating with others.
- **Communication Skills:** Ability to clearly convey technical information and collaborate with team members. This includes both verbal and written communication.