

PRASANNA

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PROFESSIONAL SUMMARY

Motivated and detail-oriented 3rd-year Electrical and Electronics Engineering (EEE) student with a strong foundation in electrical circuits, power systems, automation, and programming. Passionate about applying theoretical knowledge to practical innovations, with hands-on experience in renewable energy and wireless charging systems. Strong problem-solving abilities, teamwork experience, and a keen interest in cutting-edge electrical engineering advancements.

EDUCATION

V.S.B. Engineering College, Karur

Bachelor of Engineering (B.E.) in Electrical and Electronics Engineering | 2022 - 2026

Government Boys Higher Secondary School, Paramathi

Higher Secondary Education | 2021 - 2022 | Percentage: 69.9%

10th | 2020 - 2021 | Percentage: 81.4%

AREA OF INTEREST

- Power System
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TECHNICAL SKILLS

- MATLAB Software & Tools: MATLAB/Simulink, Power Electronics Simulation, Arduino
- Power BI Tool
- Wireless Energy Transfer Technique
- Project Management
- Critical Thinking & Problem Solving

Programming Languages:

✓ Python | ✓ Java

Soft Skills:

✓ Leadership | ✓ Time Management | ✓ Effective Communication | ✓ Teamwork

PROJECTS & ACHIEVEMENTS**On-Road EV Wireless Charging System**

- Designed and developed an inductive power transfer (IPT)-based wireless charging system for electric vehicles (EVs).
- Integrated concepts of electromagnetism, power electronics, and automation to ensure seamless energy transfer while in motion.
- Focused on design, simulation, and prototype development, optimizing efficiency for real-world applications.

Currently Working Projects:

- **Distribution Side Fault Identification Project** (Integrated with Software and Hardware).
- **Automatic Solar Tracker Without Using Electrical Machines.**

Paper Presentation – KSR College of Engineering

- Secured 2nd place in a Paper Presentation Competition.
 - Presented on "Solar Tracker Without Using Electrical Components," demonstrating expertise in renewable energy solutions and innovative problem-solving.
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LANGUAGES

- Tamil (Native)
- English (Fluent)