

PRAJITHA P

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OBJECTIVE

Motivated Electrical and Electronics Engineering graduate with a solid foundation in circuit design, power systems and web development. Seeking an entry-level position to leverage my technical skills and contribute to innovative projects within a collaborative engineering environment.

EDUCATION

2025	BE. Electrical and Electronics Engineering JCT College of Engineering and Technology/Anna University 8.14CGPA
2021	12th Govt. Boys Higher Secondary School,Chittur/Kerala State Board 94%
2019	10th Yogini Matha Girls High School/Kerala State Board 99%

INTERNSHIP

12.07.2022 - 18.07.2022	Computer hardware intern Keltron Knowledge Center Earned proficiency in computer hardware and network maintenance, demonstrating strong troubleshooting skills and ensuring optimal system performance.
18.07.2023 - 22.07.2023	KSEB intern Kerala State Electricity Board Limited The internship at KSEB has solidified my foundation in power systems engineering, providing valuable technical knowledge and soft skills for my future career in the electric sector.
20-01-2025 - Ongoing	Software Intern TAP Academy Acquired hands-on experience in Java software development through practical coding exercises and real-world projects.Developed proficiency in core Java concepts, including object-oriented programming, data structures, and algorithms.

TECHNICAL SKILLS

Java
MySQL
C Programming
Python Programming
JDBC
HTML
CSS

PROJECTS

Intelligent ambulance Traffic signal Control
RFID-based traffic signal control can efficiently prioritize ambulances in congested urban areas, saving critical time and lives in medical emergencies by automatically adjusting signals.

Distance measurement using ultrasonic sensor interfaced with Arduino uno

This project is a great way to learn about interfacing sensors with Arduino and provides a visual indication of distance using LEDs.

An Intelligent Solar panel tracking system with optimization technique using AI

This project includes the design and implementation of a battery State of Charge (SOC) and Depth of Discharge (DOD) monitoring system that uses Artificial Intelligence (AI) in MATLAB. The system gathers data from a solar panel, battery, and various sensors (temperature, current, voltage) via an ESP8266 microcontroller. This data is sent to MATLAB for real-time SOC and DOD prediction using AI algorithms. The system also includes motorized mechanisms for solar panel maintenance and direction control, and sensor data is logged in the ThingSpeak application for remote monitoring.

ACHIEVEMENTS & AWARDS

Received second prize in a Project Expo conducted by Dhanalakshmi Srinivasan College of Engineering and Technology for the project "**Intelligent Ambulance Traffic Light Control**".

Received second prize in a Paper presentation conducted by Nehru Institute of Engineering and Technology for the paper "**Roadway Revolution: Transforming air flow into Electricity**".

Awarded "**Certificate of Merit**" for the III & IV semesters from JCT College of Engineering and Technology.

ACTIVITIES

As a member of The Institution of Green Engineers (iGen), I had the opportunity to deliver a speech on the topic of "**Net Zero Emission**" at the iGen 2023 Youth Ministry International Conference.

Coordinated in a National level technical symposium "**Jfinagles**" that brought together professionals, researchers, and students to discuss advancements in technology conducted in JCT College of Engineering and Technology.

Assisted in organizing seminars and events for IEEE, focusing on technical workshops and networking sessions to enhance professional development.

AREA OF INTERESTS

Fullstack Web developer

Embedded software developer

Automation Engineer

LANGUAGES

English- Read, Write, Speak

Malayalam- Read, Write, Speak

Hindi- Read, Write

Tamil- Speak

PERSONAL DETAILS

Date of Birth : 17/01/2003

Gender : Female

Father : Prabhakaran

Mother : Jisha

DECLARATION

I affirm that the information provided in this resume is accurate and complete to the best of my knowledge.



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