

Libin G

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Objective

Electrical and Electronics Engineering student with a strong passion for solving complex engineering problems. Dedicated to leveraging technical skills in a challenging and innovative environment. Seeking an entry-level position to apply my knowledge, contribute to company growth, and gain practical experience.

Education

- B.E - Electrical and Electronics Engineering St.Joseph's College of Engineering , Chennai. Graduation -May-2025
- Coursework : Power Systems, Control Systems, Digital Signal Processing, Microelectronics, Circuit Analysis, Electromagnetics.

Skills

- Technical Skills: Circuit Design, Proteus, MATLAB, Simulink.
- Programming Languages : C, C++, Python.
- Soft Skills: Problem-Solving, Team Collaboration, Communication.
- Tools and Software: Microsoft Office , MATLAB, Simulink, Canva.

Projects

Smart Security System using AtMega Controller

- Designed and implemented a security system with AtMega Controller, featuring motion and temperature sensors for comprehensive monitoring.
- Integrated a password-protected access control system that denies access on incorrect passwords, locking the system for 2 minutes after multiple failed attempts and sending alerts via a Wi-Fi module..
- Demonstrated skills in microcontroller programming, sensor integration, security protocols.

Home Automation using PIC controller

- Designed and implemented a home automation system using PIC Controller.
- Developed control algorithms and integrated hardware components to automate home appliances.
- Demonstrated proficiency in microcontroller programming and circuit design.
- Gained hands-on experience and knowledge while working on project and troubleshooting.

Internships

Codebind Technologies, Chennai.

[May,2023]

- Assisted in the testing of Embedded & IoT devices .
- Contributed to the implementation of a predictive maintenance system using IoT sensors.

TNEB.

- Gained practical electrical engineering experience and professional connections within the energy sector.
- Developed valuable professional connections and deepened understanding of industry practices and standards.

Extracurricular Activities

- Volunteer, [RAS]
- Member, IEEE Student Chapter, [PELS]

Certification

- Business English Certificate (BEC) - **Vantage** - Cambridge University .