



OBJECTIVE:

Experienced R&D Engineer with 3+ years in Hardware driven product development. Seeking Junior Product Design Engineer role to contribute innovative software solutions, collaborate with cross-functional teams, and drive product excellence.

SKILLS:

- Research and Development
- Problem-solving
- Product Development
- Technical Expertise
- Creativity and Innovation
- Project Management
- Collaboration
- Prototyping and Testing
- Industry Knowledge
- Documentation
- Regulatory Compliance
- Continuous Learning
- Server and Workstation Architecture
- PCB Design
- Component Selection
- Design for EMI/EMC Compliance
- Performance Optimization

TOOLS:

- Cad star 13.0
- Pspice
- Oscilloscopes
- Multimeters
- Surge and CE equipments

EXPERIENCE:

1.RDP Workstation Ltd, Hyderabad

Junior Product Design Engineer (SW)

September 2022 - September 2023

- Innovative Junior Product Design Engineer for server and workstation hardware.
- Cross-functional collaboration for efficient and compliant solutions.
- Rigorous testing and optimization to ensure top performance

2. ECOLED Illuminations Pvt. Ltd

R&D Engineer, Hyderabad

Jan 2021 - Feb 2022

- We developed the new designs of SMPS (LED Drivers), by using Flyback converters, in addition with BOM'S, DVT, EFT, CE and troubleshooting the technical problems in design.

Project: Client (Wipro)

Based on LED SMPS driver (60W, 36W, 120W,

- 150W) CC Driver and (30W CV driver)

3. PRAGUNA POWER SYSTEMS Pvt. Ltd,

R&D Engineer, Hyderabad

Nov 2019 - Jan 2021

- We developed the designs of SMPS (LED Drivers), by using Flyback converters.

Project:

Based on LED SMPS driver (24W, 30W) CC Driver

Academic Projects:

1. Automatic Intelligent Street Light Control using LDRS

When vehicle passes through IR sensors, they sense it and pass information to street lights to glow and as the use of

- LDRs lights will be on only during night time. Due to this the power consumption will be reduced.

2. Design of an optimized reversible bidirectional barrel shifter:

We propose an optimized design of an n-bit reversible bidirectional barrel shifter which can shift at more (n-1) bits using logn bits select input.

The proposed reversible barrel shifter is divided into three components and a generalized approach is presented for each component to realize the whole architecture. A comparative analysis has been presented to show the significant improvement of our proposed design with respect to the existing approaches in terms of numbers of gate.

Certifications:

1. PCB Design
2. CAD Star
3. Product Life Cycle Management

EDUCATION:

1. St. Peter's Engineering College

Electronics and Communication Engineering (ECE)

Aug 2018 | Hyderabad, IN

GPA: 6.00 / 10.00

2. Sri Chaitanya Junior College

intermediate(12th) M.P.C

Jul 2014 | Hyderabad, IN

GPA: 7.30 / 10.00

3. Bhashyam Public School

Schooling(10th)

May 2012 | Hyderabad, IN

GPA: 8.70 / 10.00

Achievements:

1. Driving Innovation and Efficiency in LED Lighting

Our LED Driver Achievements exemplify our commitment to advancing cutting-edge technology and promoting energy-efficient lighting solutions. By driving innovation and optimizing efficiency, we have positioned ourselves as leaders in the industry, providing superior LED driver solutions that propel the future of sustainable lighting.