

# RESUME

@ ABHISHEK P S  
Palanahalli Udukunte  
Solur Hobli, Magadi  
Ramanagara  
Karnataka- 562127  
+91 9738881918

abhishekyashas001@gmail.com



## OBJECTIVE

To work in a competitive and challenging environment, to give excellent performance in the job assigned, and thereby utilize my skills and ability to achieve the successful goal of the organization.



## SUMMARY

A total of 2.5 years of practical experience as an electrical engineer in Quality and production of semiconductor devices and as well as VLSI embedded application developer.



## EDUCATION

**Bachelor of Engineering in Mechanical Engineer | Akshaya Institute of Technology – Tumakuru.**

YEAR–2021 | CGPA–7

**Pre-University Education | S S P U College –Tumakuru.**

YEAR–2016 | PERCENTAGE–69%

**Karnataka Secondary Education Examination Board | Sujatha Kannada Medium High School–B'lore**

YEAR–2013| PERCENTAGE–73%

## PROJECT

### Solar And Dynamo Bicycle

The Solar and Dynamo Bicycle is an innovative, eco-friendly vehicle designed to reduce dependency on fossil fuels and minimize environmental pollution. The project integrates renewable energy technologies to power a conventional bicycle with minimal human effort

#### Key Features & Working Principle:

##### Solar Power Integration:

A solar panel is mounted to capture sunlight and convert it into electrical energy.

The energy is stored in a lithium-ion battery, which serves as the primary power source.

##### Dynamo Mechanism:

A high-speed dynamo (1000 rpm) is installed to generate electricity while the bicycle is in motion.

The dynamo works both as a supplementary charging unit and as a mechanical aid to drive the wheels.

##### Battery Support:

The stored energy from the solar panel and dynamo is used to assist pedaling.

Ensures extended operation even during low sunlight conditions.

##### Advantages:

Eco-Friendly: Zero emissions, contributes to reducing air pollution.

Cost-Effective: Utilizes renewable energy, lowering running costs.

Sustainable: Combination of solar and kinetic energy provides continuous power supply.

Practical Design:

Retains the simplicity of a bicycle while enhancing efficiency.

##### Outcome:

This project demonstrates the feasibility of combining solar energy with dynamo-generated power to create a sustainable transportation solution. It highlights how renewable energy can be effectively applied in everyday Life reducing carbon footprint while promoting green technology.



## WORK EXPERIENCE

---

### 1. INTERNSHIP TRAINEE | BILVA TECH PVT LTD DEPT– Production and Quality

#### RESPONSIBILITIES HANDLED

Bilva Tech Pvt. Ltd. is a manufacturing and engineering solutions company specializing in production, quality maintenance, and industrial component development

This company focuses on delivering precision engineering, product reliability, and efficient manufacturing practices to support industries such as automotive, machinery, and mechanical systems.

As an intern, I gained hands-on experience in production processes, quality inspection, and maintenance operations, which helped me understand the practical applications of mechanical engineering concepts in a real industrial environment.

### 2. JUNIOR PROJECT ENGINEER | C S ENERGIES PVT LTD (AUG-2021 to OCT-2022)

Worked on the design, development, and testing of solar-powered lighting systems.

Assisted in project execution, ensuring timely and proper installation of solar street lights.

Conducted quality checks to maintain efficiency and durability of solar products.

Coordinated with the production team for assembly and testing of solar panels, batteries, and LED units.

Gained practical exposure to renewable energy applications and sustainable product development.

### 3. PRODUCTION ENGINEER TRAINEE | EMMVEE PHOTOVOLTAIC ENERGY PVT LTD (NOV-2024 to Present).

Assisted in the end-to-end manufacturing process of solar PV modules, including cell tabbing, stringing, lamination, and framing

Operated and maintained ATW string manufacturing machines, ensuring precise solar cell interconnection and high-quality output.

Conducted electroluminescence (EL) testing, IV curve testing, and visual inspections to ensure module Reliability.

Prepared and maintained production documentation, including daily reports of output, efficiency, and rejection data.

Analyzed rejection trends and assisted senior engineers in implementing corrective and preventive actions. Monitored production line efficiency, minimizing material wastage and optimizing throughout Participated in preventive maintenance of automated machinery to Analyze downtime.

Collaborated with cross-functional teams in quality assurance, R&D, and supply chain to support in project completion

Gained practical exposure to industrial standards in renewable energy manufacturing (ISO compliance).

---

## ACTIVITES

- Reading Books and News papers .
- Playing Cricket and Volleyball.
- Having craze about car driving.

## LANGUAGES

---

- Kannada
- English
- Hindi

## SKILLS

---

### Technical & Engineering Skills

- Knowledge in Mechanical Design & Drafting using CAED (Computer Aided Engineering Drawing) and CAMD (Computer Aided Machine Drawing).
- Hands-on experience with ATW string manufacturing machines for solar PV module production.
- Knowledge of solar photovoltaic systems, including panel assembly, testing (EL&VI), and quality inspection.
- Skilled in production documentation, including preparation of daily production and rejection reports.
- Familiar with manufacturing processes, quality assurance, and preventive maintenance in solar and mechanical industries.
- Proficient in MS Office (Word, Excel, PowerPoint) for technical documentation, reporting, and data analysis.
- Assisted in maintaining a clean, organized, and efficient production floor to improve workflow.
- Ensured proper labeling, storage, and handling of tools and materials to minimize downtime and defects.
- Participated in creating a safe and disciplined workplace culture, reducing errors and increasing productivity.

### Professional Skills

- Strong problem-solving and troubleshooting abilities in production and quality operations.
- Analytical mindset for identifying process inefficiencies and implementing corrective measures.
- Effective team collaboration across production, quality, and R&D departments.
- Good communication and documentation skills for reporting technical information clearly.
- Adaptability and quick learner, able to work with new machines, processes, and tools.
- Time management and ability to meet project deadlines under pressure.
- Effective communication and teamwork skills gained through internships and cross-department collaboration.
- Hard-working, goal-oriented, and adaptable, with a positive mindset in high-pressure industrial environments.
- Quick learner with the ability to grasp new technologies and processes in renewable energy and manufacturing.

## PERSONAL INFORMATION

Name: Abhishek P S  
Father Name: Siddaraju L  
Mother Name: Shylaja M R  
Date of Birth: 01-07-1997  
Sex: Male  
Nationality: Indian  
Marital Status: Single

### DECLARATION

I hereby declare that all the information given true to the best of my knowledge and belief. I take the responsibility of any mistake in data if occur in future If you give an opportunity in your esteemed organization, I will prove my ability with my skills.

**Date :**

**Place :**

**Signature**



