RESUME

SHRAVAN VPS
A/10 Anand Bhavan
2rd Floor,Dombivili (East),
Thane (Dist) - 421201
MUMBAI.
Contact no**: +91 9967742470**
E-mail: shravanvps@gmail.com

CAREER OBJECTIVE:

Work experience of **3.8 Years** in a field of **Power Electronic and Electrical**. Good Understanding of Electrical & Electronic Schematic line Diagram (Auto CAD), Hardware Design ,Planning of Projects, Erection and Maintenance. Both Practical and theoretical knowledge of Power Electronic and Power System.

Professional Experience:

- Worked at **Nuclear Power Plant (NPCIL TAPS 3&4),** ***Mumbai*** as a **Contract Base** for Commissioning, Installation and Testing for 33KV Vaccum Circuit Breaker Schneider Electric Panel.
- Worked at **Unique Max Pvt Ltd** as a **Testing & Production Engineer**.(***MIDC TTC Electronics Industrial Estate, Mahape, Mumbai).***
- Currently working in **IEEC Power Electronic Pvt Ltd** as a **Design & Testing Engineer*(MIDC Industrial Estate, Kandivali, Mumbai).***
-

Technical skills:

- Design and Testing of High Frequency High Voltage **CORONA** and **PLASMA** System upto 60 KW.

- Hands on experience on Power Electronic circuits design, Component selection, simulation and testing of Power electronic products in PCB Level.

- Having knowledge in Various Switching Topologies like **Fly-back, Buck & Boost Converter, Forward, Half Bridge, Full Bridge** etc. And knowledge about Power Electronic Semiconductor Devices like MOSFET& IGBT Drive circuits, SCR, Control ICs, and LC Fliter etc.

- Thorough knowledge about design of High Frequency Magnetics like Ferrite Transformer design, Ferrite inductor design, Resonance circuit etc.

- Good experience on **SOLAR PANEL'S** and **ONLINE & OFFLINE UPS** Products.

- Responsible for Servicing, Troubleshoot Maintenance of products. and Analyzing the technical requirement of the system.

- Good Knowledge about EMI/EMC concepts and Design Techniques, in Power electronics and High speed digital circuits.

- Capable of Design and Simulation of Analog hardware circuit (MATLAB, PSPICE), Fabrication assembly and PCB testing.

- Good experience in power converters like AC-DC, DC-DC, DC-AC, SCR based DC Motor Drives, Siemens VFD.

- Able to evaluate, specify, design, implement, prototype validate and troubleshoot power components, high power capacitors, chokes/inductors, transformers, and DC power supplies.

- Experience in preparing Test Plans, Test Reports etc. in Power Electronic Product Design.

My achievements from the job:

- I learned troubleshooting and Failure Analysis.
- Improve the quality of the machine, did the Design, Testing and Commissioning.
- Executing cost saving and energy saving techniques/measures and modifications to achieve substantial reduction in Operation & Maintenance.

EDUCATIONAL QUALIFICATION:

- **M.Tech** in **Power Electronics** with **distinction (78.06%),** from St Mary's Engineering College affliated to JNTU Hyderabad, A.P in **(2012-2014).**
- **B.Tech** in **Electrical and Electronic Engineering** with **First class (64.07%)** from C.V.R Engineering College affiliated to JNTU Hyderabad, Andhra Pradesh in **(2008-2012).**
- **Intermediate** with **distinction (81.9%)** from Sri Chaitanya Jr. College affiliated to Board of Intermediate Education, A.P in **(2006-2008).**

- **S.S.C** with **distinction (76.83%)** from Nalanda Talent School affiliated to Board of Secondary Education, A.P in **2006.**

TECHNICAL SKILLS:

Post-Graduation Diploma in Industrial Automation: *Prolific Systems & Technologies PVT Ltd.*

- **SCADA**

- **PROGRAMMABLE LOGIC CONTROLLER (*PLC*):**

  Company **SIEMENS**

  Model S7-300

  Software SIMATIC MANAGER

  Company **ABB**

  Model CODESYS(PM 571)

- **DISTRIBUTED CONTROL SYSTEM (*DCS*)**
- **INDUSTRIAL DRIVES (VFD)**
- **HUMAN MACHINE INTERFACE (*HMI*)**
- **PANEL DESIGNING & FIELD INSTRUMRNTATION**
- **SOLAR CHARGE CONTROLLER& PANEL INSTALLATION**

STRENGTHS:

- Strong ability for quick learning.
- Hardworking, commitment and determination.
- Enthusiastic about taking up new challenges and to learn new technologies.

ACHIEVEMENTS & ACTIVITIES:

- Paper presentation on **"HIGH VOLTAGE DC TRANSMISSION"** at Guru nanak Engineering college.
- Participated in "**Workshop on ROBOTICS"** organized by CVR College of Engineering.
- Held responsibility of student volunteer at E.E.E Asscociation during 2010-2011.
- Got 1st prize in running race of my school.

PROJECT PROFILE:

Project 1 **:** Design of a Pulse Width Modulation Based **Solar Charge Controller Circuit** for Photovoltaic System.

Objective **:** Solar charge controller using microcontroller is designed to charge batteries in a effect way so that it life time can be increased. Pulse width modulation technique is used to

charge battery in effect way.**PIC microcontroller 16F676** is used to generate PWM and used to display to read all these analog values of voltage and current. Protection is also introduced through programming technique so that in case of excess in current, solar charge controller will stop working. It can handle up to 10 ampere i.e. it is 10 Ampere solar charge controller.

My contribution **:** Circuit Design and simulation of the converter.
Team size **:** 1

Project 2 **:** Design and simulation of an **Isolated Fly-back Converter**.
Objective **:** The purpose of our project is to convert dc-dc and we can change power efficiency from one voltage to another in which DC can't be step down orstepup.Flyback converter is the most commonly used SMPS circuit for low output power application where the output voltage need to be isolate.

My contribution **:** Circuit Design and simulation of the converter.
Team size **:** 3

PERSONAL DETAILS:

Name	**:**	Shravan V.P.S
Father name	**:**	V.S.S RAO (Asst.Engineer Power Grid Corp Ltd)
Date of Birth	**:**	21st Aug 1991.
Native Place	**:**	Visakhapatnam(Andhra Pradesh)
Nationality	**:**	Indian.
Sex	**:**	Male.
Language known	**:**	English, Hindi, Telugu and Oriya.
Passport	**:**	N9113982

DECLARATION: I hereby affirm that all the information provided by me in this resume is true and correct to the best of my knowledge and belief.

Place MUMBAI **(Shravan V.P.S)**
Date: 06 AUGUST 2018