**RESUME**

**VIJAY RAJ BHAKTULA**

**Contact No:** +91 8742976773; **Email: vijayrajeee03@gmail.com**



**OBJECTIVE:**

Seeking a challenging and rewarding opportunity with an organization of repute which recognizes and utilizes my true potential while nurturing my technical skills.



**PROFESSIONAL EXPERIENCE:**-

* Overall experience of 3years and 3months in designing field. The details are given below:-
* **Employer**  : **MANAKSIA LTD, NEW DELHI**

**Project Name** : Warship Design for Directorate of Naval Design (Ministry of Defense, INDIAN NAVY, New Delhi)

**Period** : 16 January 2014 to 30 September 2014

**Role** : Design Engineer-Electrical

**Duties and responsibilities:**

* Preparation of Single Line Diagram’s, Technical requirements & diagrams of electrical equipments & Design work related to 415V, 50Hz, 3Ph power distribution system & overall cable length calculation & cable routing in Auto Cad 2014.
* **Employer**  : **CONCEPTIA SOFTWARE TECHNOLOGIES PVT LTD, NEW DELHI**

**Project Name** : Warship Design for Directorate of Naval Design (Ministry of Defense, INDIAN NAVY, New Delhi)

**Period** : 23 April 2012 to 31 December 2013

**Role** : Design Engineer-Electrical

**Duties and responsibilities:**

* Preparation of Single Line Diagram’s , Technical requirements & Design work related to 415V, 50Hz, 3Ph power distribution system & its overall cable length calculation & cable routing.
* Preparation of layouts of all Electrical & Electronics equipments which are being used in ships complete structure in 2D & 3D in AUTO CAD 2014.
* **Employer** : **RMSI PVT LTD, HYDERABAD**

**Project Name:** RAPDRP (Restructured accelerated power distribution & its reforms program)

**Period** : January 2011 to September 2011

**Role**  : Design Engineer in QC & QA of Electrical Distribution System.

**Duties and responsibilities:**

* Designing of Single Line Diagram’s, Electrical equipments & Cable routing of overall distribution of HT, LT line cables along with their respected loads in AUTOCAD 2D & 3D,ELECTRICAL CAD

**EDUCATIONAL CREDENTIALS**

**B.Tech. (Electrical & Electronics Engineering), 2010**

St. Theressa Institute of Engineering & Technology, Andhra Pradesh; **60.40%**

**Class XII, 2006**

A G L Junior College, Board of Intermediate Education, Andhra Pradesh; **61.10%**

**Class X, 2004**

Kondapalem High School, Andhra Pradesh SSC and Intermediate Examination, Andhra Pradesh; **73.80%**

**TECHNICAL SKILLS**

* Auto Cad 2014 (2D & 3D Modelling), Electrical CAD 2010 (E-CAD)

**PROJECTS UNDERTAKEN**

|  |  |
| --- | --- |
| Title | 25KV Overall Equipment Protection and Relay Testing of AC Traction Sub-Station (TSS) |
| Organisation | North-Simhachalam East Coast Railways |
| Description | This project describes the overall equipment protection and relay testing of AC traction substation. Basically traction systems are classified into 3-types: 3-phase system, DC type and Kando System. In present system i.e. Kando System, it runs at 25KV, where two phases are taken into traction sub-station which is further step down to 25KV from 220KV/132KV and each phase is protected at every point. The total equipment protection and relay testing scheme was detailed in this project with a case study of Simhachalam-North Traction Sub-Station (TSS) |
| Title | Efficiency Optimization Control of Induction Motor using Vector Control |
| Description | This project is a brief description for 3-phase AC Induction Motor Vector Control using MATLAB 7.0. AC induction motor which contains cages is very popular in variable speed drives. This drive application allows vector control of AC induction motor running in a closed loop with speed and position sensor coupled to the shaft PWM modules, which has hybrid controllers key. This device is designed to control most of the motor types, including induction motors. The PWM module provides reference output to synchronize analog-to-digital converter. Model used for vector control design can be obtained by using space vector theory and such models are valid for instantaneous variation of voltage and current and describe the performance of the machine. In this speed control simulation results are presented based on MATLAB 7.0 programming |



**PERSONAL INFORMATION**

**Date of Birth**          : 9 June 1989.

**Languages Known**       : English, Hindi & Telugu

**Address** : S/o B Jay Prakash

C/o Dr. A. N. Anand,

D No: 5-291, Rameshwar Colony,

Garividi, Vizianagaram District,

Andhra Pradesh-535101



**DECLARATION**

* I hereby declare that all the above written information is true to my knowledge

**Date:**

**Place:**

**(Vijay Raj Bhaktula)**