

RAVI KUMAR

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“Seeking a responsible position in the field of Design / R&D and Management Department, where I can utilize my skills and provide the significant contribution to the success of my organization.

WORK SUMMARY

A goal-oriented professional with over 4+ years of experience with rich experience in designing & execution of electrical work & familiar with Mechanical, Electrical related to Project. Experience in using energy production simulation tools PVSyst, PVSOL, and Helioscope etc. for commercial, residential scale solar power plant design and engineering. Plant layout and structure design in AutoCAD, SolidWorks, SLD and Earthing Layout, Electrical design software.

WORK EXPERIENCE

Design Engineer Jun 2018 - Till Date - **Daiz Solar Inc**

Role & Responsibilities:

- Preparation of Plant layout and Structure design as per the project location.
- Design and Analysis of mechanical structure, Load calculation, FEA and CFD analysis using Solid Works, ANSYS, Auto CAD.
- Coordination with the vendor and supplier for the material handling and management.
- Project coordination & handling of KW/MW project to fulfil the customer requirement. .
- Designed PV systems both on ON and OFF grid; with batteries.
- Preparation of BOM, SLD, Plant layout and project management plan for better scheduling.
- Pre-feasibility surveys and report generation on the basis of PVSyst, Shadow analysis and Structure analysis.

Business Development Executive and Design Engineer Oct 2015 - May 2018 - **Agias Engineering Pvt Ltd**

Role & Responsibilities:

Played signified role in system engineering design, design verification and optimization for a variety of utility-scale and solar commercial, residential solar rooftop projects.

Identify the customer requirement and provide product, project, EPC or knowledge-based solution. Extensively used PVSyst for energy yield estimation, post-processing performance

analysis, engineering design optimization. Actively used PVSOL/Helioscope and Google Sketch Up to estimate the shading impact and identify the installation challenges.

Performed site visits to analysis and identify solar potentials and constraints. Design and Analysis of mechanical structure, Load calculation, FEA and CFD analysis using Solid Works and ANSYS. Project coordination & Handling of KW and MW projects. Designed PV systems both on ON and OFF grid; with batteries. Preparation of BOM, SLD, Plant layout and project management plan for better scheduling. Pre-feasibility surveys and report generation on the basis of PVSyst, Shadow analysis and Structure analysis.

Design Engineer Jun 2014 - Sep 2015

Granzor Engineerings Pvt Ltd

Role & Responsibilities: Preparation of Plant layout and Structure design as per the project location. Design and Analysis of mechanical structure, Load calculation. Generation of the pre-feasibility survey and shadow analysis report using Helioscope. Coordination with the vendor and supplier for the material handling and management. Project coordination & handling of KW project to fulfil the customer requirement.

EDUCATION DETAILS

B.Tech/B.E. (Mechanical) 2014, Lovely Professional University (LPU)

Other Qualifications/Certifications/Programs: Surya Mitra Certified PV Installer

IT SKILLS

Skill Name	Version	Last Used	Experience
Ansys	14.5	2018	2 Year(s) 0 Month(s)
AUTOCAD	2018	2018	3 Year(s) 0 Month(s)
SOLID WORKS	2017	2018	6 Year(s) 0 Month(s)
PVSYST	6.4.3	2018	3 Year(s) 0 Month(s)
heliocope	2018	2018	4 Year(s) 0 Month(s)

PERSONAL DETAILS

Name : RAVI KUMAR

Gender : Male

Marital Status : Single

Date of Birth : 17 Jan 1991