

ANKIT KUMAR SAH

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Objective

“To get success in my job applying the theoretical and practical knowledge and my overall technical and non-technical skills in order to achieve height of success”

Education

Completed the Integrated M.Tech course in Energy Engineering from Central University of Jharkhand on the course duration of 5 years (2014-2019).

- Central University of Jharkhand , Ranchi, Jharkhand
Energy Engineering | Completion of Integrated M.Tech course-2019
C.G.P.A – 8.5
- Senior Secondary School - (2011-2013)
Adwaita Mission, Banka, Bhagalpur, Bihar
Marks in Percentage - 85.4%
- Secondary School - (2010)
S.K.P Vidya Vihar , Bhagalpur
C.G.P.A – 7.8

Experience

January 2021- March 2021

Solar Design Course (Solar DC and AC Side)

Key Skills Gained

- Preparing Array Layout of Ground Mount as well as Rooftop project for upto 50 MW Project using String or Central Inverter.
 - Generation Analysis at different tilt using PV syst.
 - DC and AC Cable sizing, Cable Selection, Cable Routing.
 - Combiner box, ACDB, MCCB, Inverter, Module selection.
 - Earthing Cable Sizing, Earthing Strip Sizing, Earthing Layout, Lightening Protection Layout.
 - Current Transformer, Potential Transformer, Switchgear Selection.
 - Single Line Diagram.
 - Bill of Quantity Preparation.
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January 2020- Present

Design Engineer at Mounting Solar- Kit

Key Responsibility

- Structure Design in Mounting Solar Kit
 - Designing the module Layout as per the client requirement.
 - Design of solar structure having short rail with height 30, 41, 65 and 100 mm, standing seam projects.
 - Designing calculation as per the project capacity.
 - Design on Long Rail project.
 - Coordinating with sales team for technical support.
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May,2019- December,2019

Design Engineer at Gensol Engineering Limited.

Key Responsibility

- Doing complete site survey and get complete detail of kW and MW project.
- Collect technical details from site for design like the LT panel configurations, Transformer Technical Detail, Rating, Evacuation Point detail.
- Giving Generation report and shading report of the finalized project in Helioscope.
- Doing shadow analysis of the project in Sketchup with 3D modelling.
- To make module layout of the project in AutoCAD having complete detail on it.
- To make Generation analysis sheet.
- To generate the PVsyst report.

Skills Gained : AutoCAD Design, PV syst, Helioscope, Google Sketchup-3D

May,2019-Completion of Post Graduation

M.Tech Project | Central University of Jharkhand | Brambe, Ranchi

Internship at Azure Power India Private Limited.

Five months internship in Calculating Budget through SBU Profitability in SAP and Inventory Management, Operation and Maintenance.

- Managing the stored equipments in warehouses and maintaining the stock of materials that is used in sites during emergencies in an immediate effect so that the generation, efficiency and cost does not get affected and the plant run continuously and effectively.
- Calculating and Managing the budget for whole operation, from installation to commissioning of solar power plant and also for maintaining the solar power plant after commissioning using SAP Software.
- Doing Cost benefit analysis for every plant.

Skills Gained: SAP (Cost management), Communication setup with Data Logger, Follow Up

June,2018 – October,2018

M.Tech Project | Central University of Jharkhand | Brambe, Ranchi

Project Intern at Solar Pulse Energy Private Limited

- On Site Experience. Installed 35 Kw rooftop solar power plant and 50 Kw solar On grid system at Najafgarh, Delhi and Manesar, Gurgaon in five months of my training period.
- Managing the site with the team to complete the project as soon as possible.
- Doing Site Survey and system size calculation that can be installed on site.
- Make Array Layout design using the site survey detail available using AutoCAD.
- Preparing shading analysis report.
- Preparing Single Line Diagram (SLD) for the desired Solar PV rooftop Power Plant.
- Make Helioscope Report for the particular site location for analyzing the generation and shading loss from the Solar Power Plant.
- Make PV Syst. Report for calculating the detailed system losses and for calculating the generation from the Solar Power Plant.
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Skills Gained : Helioscope, AutoCAD design , Site Incharge, Management

January, 2018 – May, 2018

B.Tech Project | Central University of Jharkhand | Brambe, Ranchi

- Project on “Photo catalysis for water treatment application”.
- Cleaning and Treating the contaminated water using photo catalysis

May, 2017 – July, 2017

Summer Internship | Central Mine Planning and Design Institute Limited | Ranchi

- Two months Project work on “Energy Auditing”
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December, 2016 – January, 2017

Winter Internship | Central Coal Fields Limited | Ranchi

- One month Project Training on “**POWER SUBSTATION**” (Analyzing and Examining the process of distribution of electricity from power substation to the homes of nearby villages through transmission line and studying about the components used in it.)
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Skills & Interest Area

- Follow up Skills
 - Able to manage people on site
 - Able to communicate with vendors and customers to complete the project as soon as possible.
 - AutoCAD
 - PV syst.
 - Helioscope
 - Sketchup 3D Modelling
 - MS Excel
 - Cable sizing
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Softwares Used

- Helioscope (for solar designing and making detail report using different solar panels and inverters for particular GPS location)
- AUTOCAD (Designing, Layout Designing, Single Line Diagram,)
- PV Syst. (making detailed report and shading report of using different panels and inverters for solar designing and installation) ,
- MS Excel-Pivot Table, Vlookup, Hlookup, Data Validation, Data Filtering, Editing worksheet, working with formula.
- MS word, MS PowerPoint
- ORIGIN
- SAP (System Application and Products)

Area of Interest

- Solar Photovoltaics
 - Solar Energy
 - Solar Design
 - Solar Power Plant Installation (on grid & off grid)
 - Energy Efficient Building, Energy
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Awards & Acknowledgements

- Participated in “**Bhartiya Sanskriti Gyan Pariksha**” in class 8.
 - Awarded “**Pratibha Samman**” for 1st division passed in Senior Secondary Higher Education.
 - One year teaching experience (2015-2016) and worked as a Volunteer in a non-profitable organization named “**UNNAYAN**” run by the “Central University Of Jharkhand”.
 - Participated in “**THINK INDIA NATIONAL CONVENTION 2016**” organized for the “Research Innovation Sustainability Entrepreneurship”
 - Participated in workshop held at Central University Of Jharkhand from 27th & 28th November, 2017 on “**REFERENCING TOOLS**”.
 - Participated in Yoga Shivir held at Central University of Jharkhand, Brambe, Ranchi in collaboration with Vivekanand Kendra, Kanyakumari.
 - Participated in Yoga based motivational class for “easy living in busy life” held at Central University of Jharkhand, Brambe, Ranchi.
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Extracurriculum

- Organizer Of the Event “**The Energiea**” from the energy society in Central University of Jharkhand.
 - Volunteer of the “**Renewable Energy India Expo, 2018**” A UBM event held at Greater Noida.
 - Volunteer of “**The 2nd Global RE-INVEST, 2018**” that was held at Greater Noida.
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