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## AVINASH KUMAR

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## OBJECTIVE

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I expect to associate myself with a professionally driven, well-respected organization by pursuing a challenging, responsible, dynamic and rewarding career and applying my academic knowledge, expertise, skills and enthusiasm; which will assist my career development and contribute effectively to the progress of the organization and the society as well.

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## EXPERIENCE

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### **SOLAR DESIGN & PROJECT ENGINEER/ULTIMATE SUN SYSTEMS PVT. LTD.**

April 2016 – Till Date

1. Preparation of site survey & site feasibility report for Rooftop project
2. Design and analysis of proposed rooftop project according to site survey report.
3. Making estimated generation report with the help of solar designing tools.
4. Design, engineering, estimation and costing of project.
5. Preparation of complete bill of material as per project requirement.
6. Preparation of Single line diagram for solar PV project.
7. Vendor management and procurement of project related material.
8. Technical specifications comparison of project related equipment (Ex. PV Modules, Solar inverter, ACCB or Electrical panel, Junction Box, SCB/SMB, DCDB, LA etc.)
9. Co-ordination with sales team to solve technical queries of client.
10. Preparation of techno-commercial document for solar rooftop project.
11. Guide project team for Installation, testing and commissioning of Solar inverter and other electrical equipment as per Guidelines.
12. Preparation of project hand over document and subsidy document.

### **Completed Project details:**

1. **Residential Project:** Responsibility of Design, Costing & Execution of more than 20+ Nos. On grid Rooftop Solar PV project from 3kW to 20kW.
  - 1X150kW On Grid Solar project; Gurgaon
2. **Institutional Project:** Site Survey, Design, Engineering, costing, procurement and Execution of 5+ MW Rooftop Project
  - 1X500kW On Grid Solar Project: MMU, Sadopur-Ambala
  - 7X500kW On Grid Solar Project: MMU, Mullana-Ambala
  - 1X200kW On Grid Solar Project: MM Continental, Mullana
  - 1X50 kW On grid Solar Project : MM international School
  - 2X300kW On grid Solar Project: MMU, Solan-H.P



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## SKILLS

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1. Having good experience in Auto Cad, PV SYST, Google Sketch Up etc.
  2. Having hands on experience in all field of Solar project.
  3. Having good command on MS Word, MS Excel etc.
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3. Utility Scale Project: Complete DC Side Testing and commissioning of 1 MW Ground Mounted Solar Power plant at Narnaul-Haryana

4. Other Project : Design, Engineering, costing and execution on rooftop and shed based solar PV plant.

### **SOLAR ENGINEER/SHIV-YANI ENERGY LIMITED,NEW DELHI**

August 2015 – March 2016

1. Preparation of generation report of Solar Power plant
2. Coordination with O&M team to resolve the site problem.
3. Site visit and making of techno-commercial proposal for rooftop solar PV Project.
4. Designing and analysis of solar rooftop project with latest software tools.
5. Costing & Estimation of project.
6. Preparation of complete BOM for rooftop project.
7. Preparation of comparison sheet for Solar or electrical equipment before procurement.


### **Completed Project Details:**

1. Testing and generation monitoring of 2 MW Solar Power plant at Rajgarh, Madhya Pradesh.

### **Electrical Site Engineer/GANGES INTERNATIONALE PVT. LTD,Delhi**

February 2015 to June 2015

1. Installation of solar photovoltaic module as per drawing.
2. Electrical series-parallel connection of photovoltaic module as per electrical drawing.
3. Testing of DC power cable before and after lying.
4. Responsibilities of electrical termination of power cable and Solar cables.

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5. Installation of string combiner panel for string combination of photovoltaic module.
  6. Perform all type of testing related to power plant before commissioning of Project (Polarity testing, Continuity testing test of cables, Insulation resistance test)
  7. Making all type of testing report and document.
  8. Lead the installation team to complete and deliver project on given time line.

Completed Project Details: Responsibility of complete DC side electrical installation Work and leading installation to team to achieve project time line.

- 25MW Ground Mounted Project at Bolangir, Odisha

**Electrical Engineer/GENCO OMER & SWITCH GEAR PVT. LTD,Ghaziabad**

**September 2013 to February 2015**

- Responsibility of manufacturing of Low voltage ACDB,LT panel, distribution panel rising main and other electrical panel
- Preparation of complete bill of material as per the Electrical panel requirement.
- Selection of electrical switch gear as per the electrical panel rating.
- Lead the production team to achieve given timeline.
- Testing of ready panel before dispatch.  
Ex : HV Test, Insulation resistance test, On load and No Load test
- Quality control and technical inspection of completed electrical panel before dispatch.
- Coordination with installation team.
- Preparation of complete test and QC test report for client
- Inspection of material when received from the stock before installation to ensure the functionality.



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## ACADEMIC DETAILS

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- B. TECH (ELECTRICAL AND ELECTRONIC) FROM UTTAR PRADESH TECHNICAL UNIVERSITY, IN 2013 YEAR WITH 63%.
- 12TH FROM HTIC TANDA AMBEDKARNAGAR(U.P.), IN 2007 YEAR WITH 65%
- 10TH FROM SVM TANDA AMBEDKARNAGAR(U.P.), IN 2004 YEAR WITH 60%.
- OTHER DETAILS : CERTIFICATION IN DIPLOMA IN COMPUTER APPLICATION
- 6<sup>TH</sup> MONTH CERTIFICATION IN SOLAR DESIGNING.

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## PERSONAL DETAILS

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Date of Birth: 30 June 1990

Language Known: Hindi & English

Present Address: 4/74, Shivaji Nagar, Gurgaon (Haryana)

Permanent Address: regional Institution of Rural Development,  
Dabhasamer-Faizabad

Marital Status: Single