

# S.Sunita, (Remote sensing & GIS Engineer)

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## Career Objective:

My career objective is to settle down in a good position and perform the job perfectly by putting my sincere efforts, skills and punctuality.

## Education:

- ❖ Pursued Post Graduation M.Sc. in Remote Sensing & GIS from Vidyasagar University, Midnapur, acquired 73.2%.
- ❖ B.A. completed in 2010 with 68.75% from Jamshedpur Women's College, Jamshedpur, Ranchi University.
- ❖ Intermediate with 60% from S.E.Rly. Girl's H.S. School, Kharagpur in the year 2007.
- ❖ Secondary Education with 62.25% from S.E.Rly. Girl's H.S. School, Kharagpur in the year 2005.

## Technical Skills:

- ❖ Good practical Knowledge in Remote Sensing & GIS Software as in
  - ❑ Erdas Imagine (9.2)
  - ❑ Arc GIS (10.2)
  - ❑ PCI Geomatica (9.1) &
  - ❑ Map Info (8.1)
  - ❑ Quantum GIS (9.2)
  - ❑ Auto cad (10)
- ❖ Diploma in Computer Application in MS Office, MS Excel, MS Access, MS Power Point & Photoshop Pro etc.
- ❖ Basic Knowledge in 'C' language & Java.

## Working Profile:

1. Six months experience in a dissertation works on "Use of Remote Sensing & GIS in Multispectral Imageries for Land Cover Classification and mapping Thermal Signature" from IIT Kharagpur, during my M.Sc. Course under the Guidance of **Dr. Saikat Paul, Assistant Professor, Department of Architecture & Regional Planning, IIT, Kharagpur.**

## Responsibilities:

- ❑ Gathering all the raw satellite data, toposheets and necessary information regarding to my Study area.
- ❑ Field survey on my study area and put those information and graphical presentation in a proper manner in my project, by using (Erdas Imagine, Arc GIS, PCI Geomatica & Map Info).

2. Five Months experience from Nov. 2013 to Mar. 2014 in **CIFRI (Central Inland Fisheries Research Institute) Barrackpore, Kolkata** as JRF, on project '**Strengthening of Database & Geographical Information System for fisheries sector**'.

Responsibilities:

- ❑ Worked on Water bodies' delineation of inland water resources of India for developing inland fisheries management system.
  - ❑ Digitization, Modeling, Classification (Supervised & Unsupervised), on satellite images (MSS-Multi Spectral, ETM-Multi Spectral, TM Images).
  - ❑ Surveyed in Raipur during the project for water bodies (minimum area 2 k.m. / water body) by using GPS & DGPS.
  - ❑ Finding Out errors and solving of Surveyed Data of Raipur by GPS in Arc GIS (10.1)
3. Eight Months experience from May 2014 to January 2015 in **Tri Cad Design & consultant Pvt. Ltd. (Somajiguda, Hyderabad, Telangana)** as GIS Executive, on Project '**Geo data base Creation of Watershed of Ananthpur**' Andhra Pradesh.

Responsibilities:

- ❑ Creating Hydrological Maps using Soil map, Geology map, Toposheet & Satellite Image (MSS-Multi Spectral).
  - ❑ Making drainage maps using different models i.e. NDVI, NDWI, and NDTI.
  - ❑ Creating DEM, contour maps, digitization, Land Use/ Land Cover classification of Micro Watershed zone according to soil map and Weighted Curve Number.
  - ❑ Excel sheet maintenance and calculation of different tables i.e. Run of Estimation, Porosity, water logging zone & Ground Water Potential Zone.
4. Worked as GIS Executive in RCE (**Ridings Consultancy Engineering, India**) working in the field of '**Reliance 4G Project**' from Feb. 2015 to August 2015 and continued to working in (**RT Networks Pvt. Ltd.**) from Sep. 2015 to Feb 2016.

Platform: Oracle 11g DBMS, Jio Server through citrix (GIS-AS built portal), Arc Map 10.2.2, Network Engineer 7.1 desktop, Microsoft office.

Responsibilities:

- ❑ Field Data (AS –Built) updation in JIO portal.
- ❑ Plotting construction assets (Coupler, Manhole, Fiber, Tower, Aerial Pole) on base of appropriate latitude & longitude and ABD hardcopy.
- ❑ Quality Analysis & Quality Check in Arc GIS 10.2.2.
- ❑ Collecting & follow up with vendor and CCM for Blowing Data.
- ❑ Migration of As-Built data in Network Engineer, Codification & data validation.
- ❑ Creating placing and editing network span, structure, Transmedia and equipment for OSP (outside plan) i.e. splice closure & Attachment using Enterprise database system in Network Engineer.

- ❑ Cross Section, Association, Connection, Validation and QC.
- ❑ Co-ordinate with construction leader, surveyors & management person.
- ❑ Maintain database for various data Submission, distribution and follow-up.
- ❑ Transfer Connection from planning to construction database.

5. Working as GIS Engineer in **Geotrax International Services** on different project i.e.

**A. Forest Alignment & Deviation on PWD Roads of Surajpur & Sarguja District, Raipur.**  
**Software Used for this project Arc GIS 10.2.2, Quantum GIS & Google Earth & Pro.**

- ❑ Georeferencing of all villages which comes under 3 different PWD Roads, Digitize all village plots which come under 12 m buffer of Road Corridor.
- ❑ Spatial Adjustments & references of village plots with Google earth & toposheets.
- ❑ Preparation & Calculation of Road Distance (RD) with 12 m. of buffer & Road Corridor for 83 villages.
- ❑ Preparation & Calculation of Reserve forest Area & DGPS Points.
- ❑ Preparing of 7 different layers of villages for final layout,

**B. Providing DGPS Survey for Forest Diversion under FCA, for laying of OFC cable in the forested patches (PF/RF Revenue Forests) in the various 4G OFC route spans in the state of Chhattisgarh.**

- Georeference Points of all survey routes & villages
- Road Centre Line
- Road Corridor
- Forest Area with (Area Calculation)
- Non Forest Area with (Area Calculation)
- Road Centre Line DGPS Points
- Forest Patch Boundary Points
- Excel Sheet & Report maintenance.

**C. Bhilai Steel Plant (BSP) SAIL, Mining Lease Area DGPS Survey & Mapping of Dalli Rajhira Mines Project (Individually Handled).**

- Surveying DGPS of all mining Lease Boundary Points.
- Rectification of Village maps, Forest Maps & Toposheets.
- Spatial adjustment of all maps according to DGPS Survey.
- Preparing different layers for final layouts.
- Discussion & Presentation of projects to clients (BSP, SAIL).
- Preparing Final Reports.

**D. Bhilai Steel Plant (BSP) CA Land DGPS Survey & Mapping Mahasammund Project (Individually Handled).**

- DGPS Survey of all CA Land of Mahasammund Boundary.
- Rectification of Village maps, Forest Maps & Toposheets.
- Spatial adjustment of all maps according to DGPS Survey.
- Preparing different layers.
- Prepared Final Layouts.
- Discussion & Presentation of projects to clients (BSP).
- Preparing Final Report & Submission.

**E. ADANI DGPS SURVEY & DESIGN OF TRANSMISSION LINE FROM Bishrampur to Ramanujnagar under CSPTCL Project (Project Head)**

- DGPS Survey of Centerline/Corridor for Proposed Transmission Line.
- Handling Survey Team and Planning for Survey.
- Collection of Raw data i.e. Village Maps, Stock Maps & SOI Maps.
- Rectification & Spatial Adjustment of all the raw maps.
- Processing Survey Data and preparing data for final layouts.
- Preparing Layers and final Layout.
- Discussion & Presentation of projects to clients (ADANI).
- Preparing Final Report & Submission.

**Miscellaneous:**

Strength: Good Communication Skill, Grasping Power.

Hobbies: Reading Books, Listening Music & Cooking.

Language Known: Hindi, English, Bengali, Telugu.

Date of Birth: 14.12.1988

Permanent Address: House No. : 355 Ward No. : 17, Kharida, Bidhanpally, Post- Kharagpur, Dist. West Midnapur, West Bengal, Pin. : 721301.

Declaration:

I, hereby declare that the above information is given by me are true as far my knowledge.

Date:

Yours

Faithfully  
Place:

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S.Sunita