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# CURRICULUM VITAE

## GIS Analyst

**DINESH MONDAL**

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**Contact No: 08305576752/08145608838**



### CAREER OBJECTIVE:

Willing to forge my career by working as a GIS professional with any reputed Organization by putting my relevant knowledge responsibly and sincerely to the best of my ability.

- Around **05+ year** of experience in GIS & Remote Sensing with exposure to various GIS and Image Processing software.
- Knowledge in design the GIS database for GPS Survey/GIS related projects.
- Hard Working and learn new skills related to GIS Documents.

### ACADEMIC DETAILS:

- **Msc.in Remote Sensing & GIS (Geoinformatics)**, The Global Open University.
- **P.G. in Remote Sensing & GIS (Geoinformatics)**, Jadavpur University in 2014
- **B.A (Geography Honours)**, Vinoba Bhave University in 2012
- **Higher Secondary**, W.B.C.H.S.E, 2009
- **Madhyamik**, W.B.B.S.E, 2007

### PROFESSIONAL QUALIFICATION & CERTIFICATION:

- **Computer Information Technology**, Bankura Youth Computer Training Center, 2008

### Skills Used:- GIS & Remote Sensing

#### **MapInfo professional 11:**

Geo-Reference, Digitization, Thematic map, Vector layer creation etc.

#### **Arc GIS 10.2.2:**

Arc-Catalog, Arc-Map, Arc scene, Arc Globe (Geo-Reference, Digitization, Geo-Processing, Surface & network analysis, Contour, Tin, **WaterShad**, Dem, Stream, Slope creation, 3D model creation, Animation, Thematic map creation etc.)

#### **AutoCAD Map 3D 2010 & 2011:**

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(Digitization, Thematic map creation, Topology creation etc.)

**ERDAS IMAGINE 9.2:**

(Geo-Reference, Satellite Image Processing, Layer Stacking, Mosaic, Image Fusion, Image Enhancement Digitization, Image classification, Virtual model creation, Photogrammetry technique, Other DIP technique)

**PCI GEOMETICA 9.1:**

(Geo-Reference, Image classification, Dip technique, layout, fly etc.)

**GPS WORK:**

(Filed survey by GPS receiver, Map creation using GPS data)

**GOOGLE EARTH:**

(Location search, temporal data and GCP collection etc.)

**Other Computer Skills:**

**Operating System:**

Windows XP, Windows 2000 , Windows 2007, Window 2008

**Database:**

M.S Access

**Other Packages:**

Microsoft Office Package (Word, Excel, Power-point)

**WORKING EXPERIENCE:**

1. **WAPCOS Limited (A Government Of India Undertaking-Ministry of Water Resources, River Development & Ganga Rejuvenation) as GIS Expert** Since January 2015 to Till Date. ([www.wapcos.gov.in](http://www.wapcos.gov.in))

**PROJECTS DETAILS:**

1. **Project Title: Preparation of GIS Base Map and Conducting Multi-Purpose Household Survey with Technical Handholding Support in Cluster – L Bhedaghat, Shahpura, Patan Kareli, Tendukhera, Kotma, Anuppur and Mandla (Property Tax Reform)**

**Client:** Urban Administration and Development Department (UADD), Madhya Pradesh

**Role:** GIS Analyst

**Location:** Jabalpur, Madhya Pradesh

**Environment:** Arc GIS 10.2.2, Google Earth Pro, Google Map, Satellite Image.

**Responsibility:**

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S.N.	Map Title
1	Ward Boundary Map
2	Slum Location Map
3	Slum Infrastructure Map
4	GCP Locations on Satellite Data
5	City Base Map
6	Land Use / Land Cover Map of Planning Area
7	Tax Rate Zone Boundary Map
8	Property Survey Sheet
9	Location of Slum Boundaries on City Base Map
10	Location of Slum Boundaries on Satellite Data
11	Cadastral (Khasra) Map Superimposed on Satellite Data
12	Master Plan or AOI Area Superimposed on Satellite Data
13	Topographical Map Superimposed on Satellite Data

- ☐ Data Collection, Collection of Guideline, Acts, Order Necessary for USHA Project.
- ☐ Create the spatial database for the following Building, road, river, drain, and industrial area, Water Pipeline Electric Pole, Tap etc.
- ☐ Demographic and Social Profile, Economic Profile, Housing Profile, Infrastructure.
- ☐ Method Used for Existing Slum Notification and New Slum Identification.
- ☐ Coordination with Client and Local Municipal Council Officials
- ☐ Managed, designed, and directed the activities for an extensive survey and mapping program with the tasks undertaken included revenue & socio-economic household survey and development of GIS base map derived from high resolution data i.e. Worldview/ QuickBird/ GeoEye.
- ☐ The comprehensive socio-economic survey at the slum level and revenue survey for each property unit is linked to detailed property unit identification maps through a unique-ID system.
- ☐ Integration of GIS database + photograph + survey data through the hyperlink.
- ☐ Digitize the building foot prints. Such as Plots and Plinth.
- ☐ Prepare the additional infrastructure of slums.
- ☐ Understanding infrastructure gap and suggestions regarding slum up-gradation program.

## **2. Project Name : R-APDRP (Restructured Accelerated Power Development and Reforms Programme)**

**Client:** JDA, Jabalpur

**Role:** GIS Analyst

**Mode of Work :** street Light Network & switch point.

## **4. Project Title: Rajiv Awas Yojana (RAY)**

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**Client:** Jharkhand Urban Infrastructure Development Company Limited (JUIDCO),  
Jharkhand

**Role:** GIS Analyst

**Location:** Ranchi, Jharkhand

**Environment:** Mapinfo 11.5, Arc GIS 10.2, Google Earth Pro, Google Map.

**Responsibility:** Preparation of Slum free City Plan of Action (SFCPoA)

1. Preparation of City Base Map using Satellite image and GPS
2. Slum Base map Creation.
3. Different types of Thematic map to represent the GIS analysis data such as Land Value map, Matrix Analysis map, Land ownership map etc.
4. GIS and MIS Integration.

**Overview:** Rajiv Awas Yojana (RAY) envisages a "Slum Free India" with inclusive and equitable cities in Which every citizen has access to basic civic infrastructure and Social amenities and decent shelter.

## **5. Project Title: Lower Ganga Canal**

**Role:** GIS Executive

**Location** (River Diversion): Kanpur & West Allahabad Branch

**Environment:** Auto CAD Map 3D 2010 & 2011, MapInfo 11, Arc GIS 10.1, Google Earth Pro.

**Responsibility:** Procurement of the Image, Satellite Image Processing (Referencing, Image Fusion, Mosaic, Image Enhancement, Map Composition),

## **6. Project Title: Road and Point Data Collection by GPS Receiver**

**Client:** CAD Center

**Role:** Team Member

**Location:** Kolkata, West Bengal

**Environment:** Arc GIS 9.2, Map Source, GARMIN ETrex H GPS (ROVER)

**Responsibility:** Survey, downloading Data, Map Digitization.

## **7. Project Title: Vegetation Coverage Analysis & Utility Mapping**

**Client:** CAD Center

**Role:** Team Member

**Location:** Kolkata, West Bengal

**Environment:** Erdas 9.2, Arc GIS 9.2, Mapinfo 10.5, M.S Access 2007

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**Responsibility:** Analysis, Map Digitization, Map Publication. Satellite Image Processing (Referencing, Image Fusion, Mosaic, Image Enhancement, Map Composition).

**LANGUAGE KNOWN:**

Hindi, Bengali, English

**PERSONAL PROFILE**

<b>Father's Name</b>	:	Subodh Chandra Mondal
<b>Date of Birth</b>	:	5 <sup>th</sup> March 1992
<b>Sex</b>	:	Male
<b>Marital Status</b>	:	Married
<b>Nationality</b>	:	Indian
<b>Hobbies &amp; Interest</b>	:	Internet Surfing & Reading GIS related Documents.

**DECLARATION**

I hereby declare that all above information furnished is true to the best of my knowledge.

Place :Raipur,(C.G.)

Date :12/09/19