

# Ujjwal Garai

**Remote Sensing & GIS Professional**

**Experience: - 3+ Year**

**ujjwalgarai6@gmail.com +919800403639**



GIS Analyst with an good ability to collect and interpret geographical data and applying analytical and problem solving skills to clearly present requested geographic data in a way that's easy to comprehend and to use same in natural resources management.

## **Sr. GIS Executive GIS Consortium (India) Pvt. Ltd.**



**May 2018 to Present**

- ❑ **Watershed Management planning using remotely sensed data of CARTOSAT, WORLD VIEW AND UAV (MJSA-IV) on GIS platform for Rajasthan under Mukhyamantri Jal Swalamban Abhiyaan.**
- ❑ **Classified LiDAR data for DTM, Vegetation and Building Extraction.**
- ❑ **Project delineation and planning as Team lead.**
- ❑ **Proposing structures for water harvesting, erosion control and also for moisture retention in watershed area, like Anicut, Percolation Tanks, Mini percolation tanks, Field Bunds etc.**

## **Executive of Geospatial Solutions Ceinsys Tech Ltd.**



**June 2016 to May 2018**

- ❑ **Data integration and quality control of spatial data.**
- ❑ **Developed spatial data overlays and comparisons test's topology for structure and accuracy of spatial data components of Centerline files, no gaps, overlaps or duplicate.**
- ❑ **Use applicable software to create, translate, and integrate GIS data layers and digitize new data.**
- ❑ **"Landsat-8" data classification of China using NDVI and Unsupervised method in ERDAS Imagine and ARC Map.**
- ❑ **Ortho-rectification and PAN Sharpe of "World view-2" data with reference "Cartosat-1" data of Orissa. Creating GCPs for true Ortho. Finally Mosaic the data.**

**Experience**

- Team lead for land use and contour survey of Mahanar, Bihar.
- Supervisor for creation ground control point's library using Dual frequency DGPS survey of Maharashtra State.
- Located potential sites for creation GCPs points using spatial analysis.
- Coordinated with other technicians and analysts in various data development and project support initiatives.

## **Master of Science**

**Vidysagar University**

**June 2014 - June 2016**



Completed Master of Science in Remote Sensing & GIS from Vidysagar University located in Midnapore, West Bengal.

Dissertation - "GIS based Approach for DAM site selection: a case Study on Varabaki Sub- watershed". Which is also reviewed for publication in Springer.

## **Bachelor of Science Geography**

**Midnapore College**

**July 2011 - June 2014**

Midnapore College, (*Premier College of West Bengal has been accredited A+ grade in 2004 and also re-accredited A*)



CGPA- 3.58 (in 4 point scale) in 2012 by NAAC.

**Spatiotemporal LULC change impacts on groundwater table in Jhargram, West Bengal.**

Published by Springer, Switzerland.

<https://link.springer.com/article/10.1007/s40899-018-0294-9>

**Education**

**Publication**

## **Skills**

Watershed Management, Image Classification, Cartography, Land base & POI, Flood Modelling, Crop Dienes Analysis, Spatial Geodatabase, LiDAR Data Analysis, Project Management, Spatial analysis, 3D analysis, Geo Statistics, Topology, hydrology, QC of GIS data, Model building, Leadership.

Software: ArcGIS, Arc hydro, Auto CAD, Global Mapper, Q GIS, ERDAS IMAGINE, PCI Geomatica, ENVI, Map Info, Google Earth

Instrument: DGPS, GPS, Auto Level

## **Personal**

|                   |   |
|-------------------|---|
| Date of Birth     | : 2 <sup>nd</sup> April, 1994                 |
| Father's Name     | : Jaydeb Garai                                |
| Gender            | : Male  |
| Marital Status    | : Single                                      |
| Nationality       | : Indian                                      |
| Present Address   | : Jaipur, Rajasthan-302005                    |
| Permanent Address | : Demushnya, Satpatta, Raipur, Bankura-722134 |
| Mobile No         | : +919800403639                               |
| Languages Known   | : Hindi, English, and Bengali                 |

## **Reference**

1. Prashant Srivastava  
Project Manager at GIS Consortium India pvt ltd.  
[prashant@giscindia.com](mailto:prashant@giscindia.com) +918178521071
2. Sahadev Roy  
Project Manager at Ceinsys Tech ltd  
[Sahadev.roy@ceinsys.com](mailto:Sahadev.roy@ceinsys.com) +919730322129
3. Dr. Abhisek Chakrabarty  
Assistance professor at Vidyasagar University  
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