

Bibek Mandal

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PROFESSIONAL SUMMARY

Having M.sc in Remote Sensing and GIS and Professional 3.6 years of experience working with ArcGIS, Erdas Imagine, Open Source GIS software and Arc Editor for developing GIS databases, data creation and snapping tolerances. Highly technical, analytical, professional dedicated to solving technical issues. Accomplished, committed leader seeking a progressive role in the field of Remote Sensing and GIS.

EMPLOYMENT HISTORY

Feb,2020 to June 2020
Maharashtra Remote
Sensing application
Centre (MRSAC)
Nagpur

Jr. Remote Sensing & GIS Associate

Project Name : MahaBHUMI (Geo-database Design for Base map Preparation)

Role :-

- Database creation and Quality checking for Transport, Water, Urban and Base themes.
- Topology Check and report prepared.
- Image Interpretation.

Aug,2019- Jan 2020,
Dept. of Watershed
Development and Soil
Conservation,
Rajasthan

Image Processing Expert : Quantum Asia Pvt. Ltd.

Project Name : Director Watershed Development & Soil Conservation, Rajasthan – 49

Role :- Remote Sensing and GIS related works.

- Georeferencing of image.
- Digitization of khasra data.
- Image processing and Hydrological analysis.
- Extract Contour, Slope, Flow Direction, Flow Accumulation, Drainage from high resolution (UAV) DTM and DSM.
- Mosaic ortho image and DTM.
- Generating drainage L-Section and Cross Section.
- Data Quality Check.
- Map Layout and Composition (2D and 3D Maps).

May, 2018 – Aug,2019
Pant krishi Bhawan,
Jaipur (Rajasthan).

GIS Executive ; GIS Consortium India Pvt.Ltd.

Project Name:- Mukhya Mantri Jal Swavalamban Abhiyan Phase IV (MJSA - IV)

(Watershed development planning using High resolution (UAV)

Remote Sensing and GIS techniques , according to four water concept)

Nov, 2017 – May, 2018
State Remote Sensing
Application Centre
(SRSAC), Jodhpur,
Rajasthan.

Role :-

- Image processing and Hydrological analysis from UAV Data.
- Extract Contour, Slope, Flow Direction, Flow Accumulation, Drainage from high resolution (UAV) DTM and DSM.
- Mosaic ortho image and DTM.
- Generating drainage L-Section and Cross Section.
- Data Quality Check.
- Map Layout and Composition.

Digitization Operator ; Quantum Asia Pvt.Ltd.

Project Name :- Board of Revenue, (Project No. S171648MPRJ)

Role :-

- Georeferencing of image.
- Digitization of khasra data.
- Spatial adjustment of khasra data using spatial adjustment tool.
- Build topology and correction the topological errors.
- Cadastral Mapping.

Project Name :- Updating LULC data of 2011-12 in reference to present data sets (2015-2017) provided by NRSC (3rd Cycle) of three season (LISS – III) and using high resolution satellite data in reference.

Role :-

- Image classification and update LULC.

Project Name :- Rajeev Gandhi National Rural Drinking Water Management Project (NRDWM), Preparing Ground Water Quality Map Of Rajasthan, using PHED data sponsored by NRSC.

Role :-

- Data preparing from raw ground water sample data provided by PHED.
- Data compiling.
- Point Generation from compiling data set and applying IDW method.
- Final map layout and Map Composition.

April 2017 – Sept. 2017
Geological Survey of
India (GSI), Western
Region, Jaipur, Rajasthan

Junior Data Analyst ; Cyient Ltd.

Project Name :- Digitization and Mapping Layout of historical geological exploration reports of Geological Survey of India.

Role :-

- Georeferencing of Maps.
- Digitization of Maps.
- Map Layout and Composition.
- Data Quality Check.

ACADEMIC DETAILS

Course	Board/Institution	Division	Year of Passing
Post Graduate (M.Sc) in Remote sensing and GIS	Vidyasagar University	First Class	2017
Graduation(B.A) in Geography	Vidyasagar University	Second Class	2015
Higher secondary	W.B.C.H.S.E.	First Class	2011
Secondary	W.B.B.S.E.	First Class	2009

SOFTWARE SKILLS

- Arc Map
- Erdas Imagine
- Global Mapper
- Pix4D Mapper
- Envi
- Quantum GIS
- Microsoft Office
- Google Earth Engine

INSTRUMENT SKILLS

- GPS
- Total Station
- DGPS

AREA OF INTEREST

3D Modeling, Digital Image Processing, Multispectral, Hyperspectral and LIDAR & RADAR Remote Sensing, Agriculture, Forestry, Fundamentals of GIS, Geo-statistics, Developing and Managing database in GIS, Land surface temperature modelling, coal subsidence, monitoring and prediction, environmental impact, mining management , Watershed and so on.

OTHER SKILLS

- Good Analytical and quantitative skills.
- Hardworking and good team member.
- Commitment towards goal.
- Languages known:- English, Hindi, Bengali

Place: - kolkata (West Bengal)
Date :- 06-01-2021

Yours faithfully

Ribek Mandal