

Bitayan Mandal

GIS Engineer

Basirhat, Kolkata, West Bengal, India,
743428
7908411651

mandalbitayan@gmail.com

Detail-oriented GIS Engineer adept at making critical decisions and managing and conducting team reviews.

With expertise in analysis and quantitative problem-solving skills, dedicated to company growth.

Professional Experience

Cyberswift Infotech
GIS Engineer

June 2021 - August 2021

- Digitization
- Gave training to new interns for Data organization, Data Collection, Creating shapefiles from Geo-tag images and digitization, and Road networking.
- Layout Maps
- Land Use land Cover map
- premises drawing

Softa Geotechnical
GIS Engineer

August 2021 - April 2022

PROJECTS UNDERTAKEN

1. Connectivity of Optical Fiber cable

GIS database of the optical fiber cable network Comprehensive map of the optical fiber cable network, Reports on the network attributes, such as length, capacity, and location.

2. Water Pipe Line connectivity

The project involves using Google Earth Pro to digitize the road and finalizing the design in AutoCAD. The purpose of this project is to provide a reliable and safe supply of water to the Houses.

- Data Collection through Gis based Survey
- Maintain Excel data set
- Google Earth pro
- Broadband Fiber cable connectivity map
- Land Used and Land Covered map digitization
- Building and its area measurement, digitization and map creation
- Water pipe line connectivity
- Image interpretation.

SkymapGlobal
GIS Engineer

May 2022 - July 2023

PROJECTS UNDERTAKEN

1. Automated 3D Building Model Generation by Using High Resolution DSM and DTM Process 0.5m Satellite Images to generate DSM. Mass production of breaklines in 3D environment to create contours and DTM. Building should be digitized in 2D environment, after that it should be spatially incorporate with DSM and DTM to generate LOD1 data model.

2. Change Detection of Urban area.

Process to identify change in the settlement area with helping of temporal and high resolution satellite data.

- Data Collection, Creating shapefiles from Geo-tag images and digitization, and Road networking.
- Open Land extraction from urban area
- Urban growth
- Maintain Gis Database
- Maintain Excel data set
- Crop Land classification

- Land Use landcover classification
- Image interpretation
- Satellite image processing,Pansherpen,Image mosaic
- Crop health,Crop Density
- QA-QC Topology checking,and processing final output for client delivery

Education

M.sc in GIS & Remote Sensing January 2019 - January 2021

JIS University, Kolkata

Passing with 8.8 CGPA

B.sc in Geography February 2016 - January 2019

Bangabasi College , Kolkata

Passing With 49%

Key Skills

- Flexibility and Work under pressure
- Client Handling
- Self-Motivation
- Team Management

Certifications

I IIRS,Remote sensing Basis.

IIRS Online

Image Processing and classification

Udemy

Udemy,Land Use Land cover classification,ERDAS, ArcGIS, ENVI.

**Application On remote sensing in
GeoSciences.**

GSITI

GSITI,Application On remote sensing in GeoSciences.

Languages

- English (Read, Write, Speake)
- Bengali (Read, Write, Speake)
- Hindi (Read, Speake)

References

Ayan Ghosh

June 2022

Engineer at Special Investi□gation Division, Govt of WB

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Software

- ArcGis
- Qgis
- Erdas Imagine
- Global Mapper
- PCI Geometica
- Google Earth Pro

- MS Excel
- MS Power point
- Autocad

Programming Language

Java Script,Python,CSS,HTML

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself,

my qualifications and my experience. And I am available to undertake the assignment in case of an award. I

understand that any misstatement or misrepresentation described herein may lead to my disqualifications or

dismissal by the client.