

CURRICULUM VITAE

KINGSHUK BERA

M.Tech. (Geoinformatics), M.Sc. (Geography)

(D.O.B.- 23/05/1988)



Address for Communication:

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Language: English, Hindi, Bengali, Oriya

Experience: Having 3 years 4 month's work experience in GIS & Remote sensing Field.

WORKING EXPERIENCE

- **Indshine Energy Pvt. Ltd.** (24th May 2018 to Present)
Designation- GIS Engineer cum Drone Pilot
Job Profile- Drone Survey, Drone Image Processing & Mapping
Location- Chandigarh, Mohali
- **MKK Solutions (Cyient Limited).** (1st May 2017 to 30th April 2018)
Designation- Junior Data Analyst
Job Profile- Geological Map Preparation
Location- Geological Survey of India, Kolkata
- **Seap Infotech** (1st Sept 2015 to 30th April 2017)
Designation- GIS Executive
Job Profile- GIS & Remote sensing Data Analysis
Location- Kolkata

ACADEMIC QUALIFICATIONS

- M.Tech in Geoinformatics from Indian Institute of Engineering Science and Technology (IIST), Shibpur in 2015.
- M.Sc. in Geography from Chhatrapati Shahuji Maharaj University (CSJMU) in 2012.
- B.Sc. in Geography from Calcutta University (CU) in 2010.

SPECIALIZATION

- M.Tech. specialization, "Application of RS and GIS in natural resources"

M.Tech. Project

- "AN ASSESSMENT OF SEA LEVEL RISE AND COASTAL EROSION VULNERABILITY OF DIGHA COASTAL REGION, WEST BENGAL"

Work Content:

- Satellite image data processing (IRS, LISS_1V)
- Land use and land cover map preparation
- Field survey
- DEM and Bathymetric map preparation
- Calculating Coastal vulnerability

PROJECT PROFILE

- **Project Name: Drone based Aerial Photogrammetry survey and Stereo feature collecting In Various field (Railways, Highways, Tower inspection, Mining, Solar Panel inspection)**

Scope:

- Preparing Flight plan with the help of Litchi, Pix4D, & Mission planner on the client specification.
 - With the help of flight plan conduct the field Drone survey and collect images and videos.
 - To get proper accuracy GCP collection has done with the help of DGPS during to the field survey.
 - After collecting all the field data that it has been process and generates Orth mosaic, Point Cloud, 3D Mess, DSM, DEM, DEM, Contour using different software (AgiSoft, Pix4D, ArcGIS, QGIS, AutoCAD)
 - To shows the different features (bridge, LC, Station) in videos, video editing process has processed the raw videos using After effect software.
- **Project Name: Digital Conversion of GIS Unpublished of Mineral Investigation, Eastern Region, Geological Survey of India, Kolkata.**

Scope:

- Soft Copy conversion of the unpublished geological exploration reports for Geological Survey of India. The works involves.
 - Hardcopy Text data conversion to searchable PDF Using OCR software & manual Keying.
 - Borehole Text data & analyzed Tabular data Digital Conversion into the MS Excel format.
 - Scanning of maps & Geoferncing of geological maps.
 - Vector Conversion & Different Thematic Layers Conversion of geological data from rectified maps using ArcGIS Software.
 - Map composition & layout preparation of different thematic layers like structure, geology, IU/LC, Geomorphology, Stratigraphy etc.
- **Project Name: GIS Survey and Mapping Network System of Different Towns of West Bengal Under RAPDRP Projects.**

Scope:

- Digital mapping of electrical networking using GIS. This project involves post survey updating of 33kv, 11kv, 6.6kv and LT, HT network map prepares.
- **Project Name: Geoautomation Mapping**
- Scope:
 - Geoautomation work on ArcGIS platform (street-based work)
 - Vector conversion & different road features conversation from street view 360^o image.

- The X, Y and Z values are directly input from street view image.
- **Project Name: City of Issaquah, WA, Columbia Valley District (CVWD), WA**
Scope:
 - Pipe line network map allows asset managers, Updated pipe size and check valve based on survey data. This work involves.
 - CAD to geodatabase, match to parcel this data using spatial adjustment tools.
 - Modify attribute data and .shp file, upload this file Arc GIS online.

SOFTWARE

- | | |
|------------|----------------------|
| • ArcGIS | • AgiSoft |
| • Q-GIS | • Mapserver (WebGIS) |
| • ERDAS | • PostgreSQL |
| • Civil 3D | • AUTOCAD MAP |
| • LITCHI | • MISSION PLANNER |

INSTRUMENTAL EXPOSURE

- | | |
|--------|--------------|
| • GPS | • Theodolite |
| • DGPS | • Auto-level |

DRONE FLYING EXPERIENCE

- Total Linear flight Distance – 1360 km.
- Total number of flights – 170
- Total Flights Hours – 60 hr.
- Type of Drone – DJI Panthom 4 Advance, pro, Hexa Drone (Fixed wings).

TRAINING / SHORT TERM COURSE

- 14th India Institute of Remote Sensing, Dehradun Outreach Program on “Application of Remote Sensing and GIS for Natural Resources”
- 13th India Institute of Remote Sensing, Dehradun Outreach Program on “RS, GIS & GNSS”.
- 4 months’ Short-term course on “WebGIS” – From “Concept to Implementations” at Dept. of Computer science & Engineering, Jadavpur University, Kolkata 17th Aug 2016 to 30th Dec, 2016.

COMPUTER KNOWLEDGE

- Computer: Completed DTP course in Youth Computer Centre of six-month duration.
- DBMS, SQL, HTML, PHP, C(Learning), Python (Learning)
- Operating System- Windows xp / 7 / 8 / 10,

EXTRA CURRICULUM ACTIVITY

- Instrument: Completed Tabla 5th years course in Bangiya Sangeet Parishad, and play drams.

DECLARATION

I, Mr. **Kingshuk Bera**, hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief and in the event of any information being found false or incorrect or any ineligibility being detected, my candidature is liable to be cancelled and legal action may be initiated against me.



(KINGSHUK BERA)