** ABHINAV**

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Address: 9A, Block-c, Jaishree green city, Argora, Ranchi-834002, India

**PROFESSIONAL SUMMARY:**

* A professional with MORE THAN 4 YEARS of experience in GIS-Remote Sensing for the completion and maintenance of the projects.

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**TECHNICAL SKILL SET:**

* **GIS Software :** ArcGIS MapInfo, QGIS, IGIS, NEURALOG, PETREL etc.
* **Image Processing Software :** ERDAS , Global Mapper, DRONE DEPLOY, PIX4D

And AUTOCAD

* **MS Office**
* **Drones(RTK, Phantom pro)**
* **Geological instruments**

**EDUCATIONAL QUALIFICATION:**

* MSc Geology (67.25)
* B.Sc. (Hons.) in Geology, ST.XAVIER’S COLLEGE, Ranchi (78%)
* Passed 12th with PCM background(75%) and 10th with 90%
* Currently doing Ph.D. (remote sensing) from Bangalore University

**WORK EXPERIENCE:**

1. PROJECT COORDINATOR IN G-LUTION INDIA COMPANY AT KOLKATA. THE WORK WAS RELATED TO GIS-REMOTE SENSING AND GEOLOGICAL/HYDROLOGICAL WORK FOR DIFFERENT PROJECTS LIKE WATER HARVESTING, CITY PLANNING AND MAPPING, ALIGNMENT OF POWER LINES/ RAILWAY LINES, WATER SUPPLY MANAGEMENT AND PLANNING FOR SUB-URBAN AND RURAL AREA (DATA COLLECTION, SITE SURVEY, GUIDING AND COORDINATING WITH CLIENTS).
2. GUEST FACULTY IN XISS RANCHI IN GIS DEPARTMENT
3. SITE MANAGER AT PAKRI BARWADIH COAL PROJECT, HAZARIBAG JHARKHAND (OWNED BY NTPC LTD), WORKING UNDER ALTBIRD ROBOTICS PVT LTD.

MANAGING DRONE SURVEY/DATA AND IMAGE PROCESSING/GENERATING DSM

AND DTM AND ORTHOMOSAIC/3D MAPPING AND DIGITIZATION.

**Title 1 : MODELLING OF RAIN WATER HARVESTING**

**Responsibilities:** Surveying of area using Dgps, total station, and satellite imagery, creating DEM (digital elevation model) and watershed map.

Preparation of drainage area map/water flow map, lithology of drainage area (details of aquifer, soil type, porosity). Total precipitation/net water flow/flood level/preparation of hydrograph. Topography of the area and selection of suitable sites for recharge pits and type of construction.

**Title 2 : Alignment and survey of railway line in N-E India.**

**Responsibilities :** Layer Preparation for land base models such as Green, Non built up, Water, Transit Points, Transport features, Road width, Obstacles, Building, Road and Railway for the selected areas. Identifying the rock types and geological features in the area

Preparing Pre-feasibility report showing area topography/drainage/rock types/Earth excavation etc. Liasoning with authorities and local people

**Title 3** **: Land use/ Land cover Data Preparation**

**Responsibilities :** IRS-P5 (CARTOSAT-1)-2.5mt,IRS-P6 (RESOURCESAT-1)-6mt,Aster 15m data for preparation of Land use / Land cover map using ERDAS/Remote Sensing data Classification method (28,22,&18classes) for selected areas. Topo sheet wise preparing base layers (Captured water bodies, canals, Road/Railway buffer map, settlement layer by using downloaded image) and conversion to base layer shape files in ERDAS to recode the Land use/Land cover clutter data. Projection and re-projection, Geo-referencing, Subsets, Mosaic etc. done

**Title 4 : Rural water supply scheme (PFR and planning)**

**Responsibilities:** Data collection/Data Segregation, Geo Data model Creation, handling, Modeling, Digitization of Pipelines, roads, settlement, DEM data. Availability of water resources and water demand of population. Site selection for WTP and water intake point /overhead tank

**Title 5 : Coal and Overburden (rocks) tonnage calculation on day to day basis which is extracted from coal mine mechanically using drone data and its analysis/processing**

**Responsibilities:** Managing drone deployment/drone survey/data analysis/volumetric analysis and calculation using RTK drones Trimble, total station

Managing the drone team, coordinating with management for data output, improvement of data accuracy and aerial survey for future development/expansion of mines.

**PERSONAL DETAILS:**

**Father Name :** Shri Madhusudan

**Date of Birth :** 23rd Oct., 1991

**Sex :** Male

**Marital status :** Unmarried

**Languages Known :** English, Hindi and Sanskrit

**Nationally :** Indian.

**Passport :** Yes

**Hobbies/Extracurricular:** Reading, Trekking, travelling, Quiz

**(ABHINAV)**