

## **AMAL ADAK**

**Mobile No:** + 91 9733922313, +91 7001046942

**E-Mail:-** [adakamal1993@gmail.com](mailto:adakamal1993@gmail.com)



### **OBJECTIVE**

Looking forward for an exciting and challenging career in an organization which can provide excellent working atmosphere and mutual growth with an opportunity to share, contribute, upgrade and enhance my knowledge, skills and activities for development of the organization and for myself.

### **ORGANIZATIONAL EXPERIENCE**

- Total working **experience in GIS and Remote Sensing is 4.2 Years**

#### **1. S.K.P Projects Pvt. Ltd.**

**Job Title:** GIS Analyst

**Tenure:** 01-Dec-2016 – Till Now

##### **Job Responsibility:**

- Work with Indraprastha Gas Limited "Steel & MDPE Network analyst 01/12/2016- 22/10/17 Corridor Mapping in Delhi".
- Gail Gas Limited "Procurement and Processing of Satellite Imageries and GIS Survey for Sonapat, Meerut, Dewas and Taj Trapezium Zone(TTZ)."
- Gail ARC, BGPL Projects
- GSPL India Transco Ltd. "BIDDING DOCUMENT FOR SURVEY USING HRSI AND OTHER PROJECT ACTIVITIES INCLUDING CROSSING, PERMISSIONS, ROU ACQUISITION, LAND PURCHASE ETC."
- ❖ GPS and Laser Handling, GIS Based Pipeline, Indraprastha Gas Limited (IGL) Existing Steel Pipeline Network in Delhi, Word Boundry Drawing, Route Mapping.
- ❖ Slum and Non-slum Area LULC Mapping and Pipeline Mapping etc...
- ❖ Geometrical and Topological error correction in Arc Gis Server 10.2.2 also Nonspatial/Attribute Error correction etc.
- ❖ Network Analysis, Geometrical Correction, Water Sade Management Etc.
- ❖ High resolution Satellite Image Processing (Radiometric and Geometrical Correction) WorldView-2, SuperView1, DEM data analysis Etc.
- ❖ High-Resolution Stereo Satellite Images Processing.

- ❖ Photogrammetric Processing of High-Resolution Stereo Satellite Imagery of 0.5m
- ❖ Generation of Digital Elevation Model (DEM) and ortho-rectification of satellite image, 3D DEM Création, Contours Generation, TIN Network Création, Mass points Création, Break lines Création.
- ❖ **ROU Acquisition for the Pipeline corridor**
- ❖ **Land acquisition for stations for Oil/Gas pipeline**
- ❖ **Cadastral Survey and permission for cadastral Land (ROU)**
- ❖ **Crossing permission for:**
  - National Highways and laying Pipeline Parallel to and Within RoW of NH.
  - State Highway (SH), Other PWD Roads, ODR/MDR, Irrigation Roads, Roads under City Municipal Limit, Rural Roads etc.; and laying Pipeline Parallel to and Within RoW of SH.
  - Rivers
  - Canal, Minor, Other water bodies like Distributaries, Escape, Nallas, Drains etc. crossing and laying Pipeline parallel to Canals & other Water Bodies (within RoW of respective crossings).
  - Protected / Reserved Forest etc.
  - National Park / Sanctuary etc.
  - Obtaining Permission for laying pipeline in Industrial Area / Area Under Development Authorities etc.
  - Obtaining permission / NOC for laying pipeline in Coastal Regulatory Zone (CRZ).

## **2. Softa Geotechnical Pvt. Ltd.**

**Job Title:** GIS & CAD Operator

**Tenure:** 9-January-2016 – 30-Nov-2016

### **Job Responsibility:**

- ❖ GPS and Laser Handling, Word Boundry Drawing, Route Mapping.
- ❖ Auto Cad Drowing & LULC Mapping
- ❖ Land base Data (Viz - Building, Forest Area, Defence Area, and Railway Land etc.) updating on GIS.
- ❖ ABD Drawing and updatation in Online GIS portal that was automated export in Arc Gis format (.shp).

## **3. Terrestrial GIS Pvt. Ltd.**

**Job Title:** GIS & CAD Operator

**Tenure:** 11-July-2015 – 9-January-2016

## TECHNICAL SKILLS

### Software Skill:

- Arc GIS V9.2,V9.3 ,V10 & V10.1,V10.2.2,10.5 Server
- ERDAS V9.0,2014,2016, V9.1 & V9.2,
- PCI Geomatica V9.1
- AutoCAD 2D & 3D, Global Mapper 11
- Mapinfo V9.0,V9.5,V10 & V11.5,
- ENVI V4.5, & Q-GIS Desktop

### Instrument use:

- GPS, DGPS, Total Station Laser
- Theodolite
- Dumpy Level

### Field Skill:

- Cartography, Cadastral Mapping
- Digital Image Processing
- Remote sensing & GIS in Geosciences, Hydrology, Mineral Exploration, Human settlement, Environmental Science, in Soil, Agriculture & Forestry.

### Theoretical Knowledge:

Land Use Land Cover Classification (Level Wise), Hydrologic Concept, Water Shade Management, Geo-informatics, SDSS, Coastal management, Earth Science, Surveying , Cartography , Digital Mapping , Projection , Photogrammetry , Basics& physics of Remote sensing , Thermal Remote Sensing , Microwave Remote Sensing , Computer Fundamental , Digital Image Processing ( Image Pre-Processing, Image Enhancement, Image Filtering ), GIS, Geodesy, GPS, Fundamental Statistics, Geo-statistics, Network Analysis etc.

## ACADEMIC DETAILS

**Post-Graduate : 2016: M.Sc. (Remote Sensing & GIS) with 77.1%**

From Vidyasagar University, Midnapur, West Bengal.

**Dissertation Paper : “Assessment of Agricultural Drought Using Remote Sensing derived Vegetation Condition index (VCI) A Case Study In Bankura and Paschim Medinipur District of West Bengal”.**

**Graduate : 2014: B.Sc. (Geography) with 55.25%**

From Vidyasagar University, Panskura, West Bengal

**Higher Secondary : 2011: Higher Secondary (Arts) with 76%**

From Gokulnagar Trilochan Vidyapith, Midnapur, West Bengal

**Secondary : 2009: Secondary Education with 64.13%**

From Gokulnagar Trilochan Vidyapith, Midnapur, West Bengal

## REFERENCE

- **Dr. Jatisankar Bondhopadhyay**, HOD of **Remote Sensing and GIS Dept.**, Vidyasagar University, Midnapure, West Bengal.
- **Dr. Dipanwita dutta** (Professor of Remote Sensing & GIS Dept., Vidyasagar University, Midnapure, West Bengal).

## PERSONAL DETAILS

**Name** : Amal Adak

**Date of Birth** : 18<sup>th</sup> Sep 1993

**Nationality** : Indian

**Languages Known** : Bengali, English, Hindi

**Permanent Address** : Vill- Gokulnagar, P.O- Bara Gokulnagar, P.S- Moyna Dist-  
Purba Medinipur, Pin- 721152

### Declaration

*I hereby solely declare that the above furnished details are correct to the best of my knowledge and belief.*

Amal Adak

**Place:** Kolkata, West Bengal

**Amal Adak**