

CURRICULUM VITAE (CV)

Position Title :	:	GIS Analyst
Name of Expert	:	Mohammad Akbar Khan
Date of Birth (day/month/year)	:	15/06/1977
Country of Citizenship/Residence	:	Indian/India

Education:

Name of Educational Institutions	Dates Attended	Degree/Diploma Attained/Obtained
Global University, Nagaland	2013	Master in GIS/Remote Sensing
CDAC, Noida (UP)	2003	Advanced Diploma in RS & GIS Applications
Jamia Millia Islamia, New Delhi	2001	Master in Geography
Jamia Millia Islamia, New Delhi	1997	Bachelor in Geography

EMPLOYMENT RECORD RELEVANT TO THE PROJECT

Period	Employing organization and your title/position. Contact information for references	Country
Jan 2014- till date	Employer: IDA Infrastructure & Builders Pvt. Ltd. Jamia Nagar, New Delhi-25 Position: GIS Analyst For References: Name: Mr Shakir Ali (Project Manager) Phone: 9891897280	India

Summary of activities performed relevant to the Assignment :

Name of Assignment: **Creation of GIS based Road Network and Cadastral Mapping & Surveying of Construction sites in G.Noida**

Year: Jan 2014 - till date

Location: New Delhi & NCR

Client: Amarpali Group

Main Project Features: Town planning Mapping, GIS based Analysis, Creation of Geodatabase.

Activities Performed:

- Conduct land surveys/measurements using specialist technical equipment (including theodolites, satellite GPS).
- Collect ground-based information and create GIS based detail mapping.
- Acquired high resolution satellite to capture ground details more accurate.
- GIS based mapping using software ArcGIS and AutoCAD.
- Undertake 2D, 3D mapping for visualization and conduct data correction, data integration with different sources through geo-processing method.
- Preparation of GIS workflow for presentation.
- To acquire, integrate, synthesize, analyze and process geospatial data.
- To analyze data using plans, maps, charts.
- Conduct ground verification and validation.
- Perform quality assurance/ quality check on hardcopy and software environment.
- Measured construction site area by advanced surveying technique.
- Creation of GIS based relational database.
- Prepare power point presentation before client for better understanding of GIS technique.

Period	Employing organization and your title/position. Contact information for references	Country
Oct 2013 Dec 2013	Freelancer/ GIS Analyst Imphal, Manipur	India
Summary of activities performed relevant to the Assignment :		
Name of Assignment: Creation of GIS based Water Pipeline network and Road Network for the area of Hatta Locality of Imphal East. Year: Oct 2013 – Dec 2013 Location: Imphal, Manipur Client: Department of Planning and Architecture, Manipur Main Project Features: Preparation of Route Mapping for water pipeline Network, Activities Performed: <ul style="list-style-type: none"> • Undertaken GIS knowledge-based village mapping of Imphal East district; • Conducted ground survey for spatial feature collection through GPS; • Undertaken GIS knowledge-based mapping of road network through high resolution satellite imagery; • Conducted ground survey in the study area to collect household information to manage consumer Database. • Proposed the water pipeline network. 		

Period	Employing organization and your title/position. Contact information for references	Country
Oct 2011 - Sept 2013	Employer: The Inclen Trust International Okhla Ind Area, Okhla Ph-1 N.Delhi-20 Position: GIS Data Analyst For References: Name: Dr Manoj K Das (Project Manager) Phone: 011-47730000	India
Summary of activities performed relevant to the Assignment :		
Name of Assignment: BTS (Brain to Society) Public Health based Research (ICMR) sponsored. Year: Oct 2011 – Sept 2013 Location: New Delhi Client: Indian Council of Medical Research Main Project Features: Demographic and environmental surveillance (To analyse the relationship of health with economic and environmental factors and its impact on physical changes of child's health) Activities Performed: <ul style="list-style-type: none"> • Capturing parcel units, local roads, water bodies; • Integration of non-spatial data and spatial data; • Ground validation of non-spatial data; • Recording of point base information with the help of GPS; • Undertaken quality assurance/ quality check of land use and land cover to deal with World View2. • Prepared GIS Parcel Mapping of Palwal City for the purpose • Of Urban and regional Planning for Municipality of Palwal, Dist. • Preparation of Land Use/Land Cover Mapping for change detection in study area which have been taking place with the passage of time for analysis. • GIS knowledge Based Mapping of 52 villages for environmental study in Palwal District, Haryana. • Analyze the relationship of health with economic and Environment and its impact on physical Changes of child health. 		

Period	Employing organization and your title/position. Contact information for references	Country
Mar 2010 - Sep 2011	Employer: Consulting Engineering Service (CES) 57-Nehru Place, N. Delhi Position: GIS Specialist For References: Name: Dr Abul Azeem (Project Manager) Phone: 9959925419	India
Summary of activities performed relevant to the Assignment :		
Name of Assignment: Scheme Productivity Improvement Consultancy (IRBD Funded) Year: Mar 2010 - Sept 2011 Location: Bhopal, Madhya Pradesh Client: Water Resource Department, Madhya Pradesh Main Project Features: Knowledge based development of the entire irrigation scheme in the state. Activities Performed: <ul style="list-style-type: none"> Knowledge based development of the entire irrigation scheme incorporating base line data, agricultural and land use data, assets condition, demographic and stakeholder data on GIS platform; Scheme wise presentation of cropped area (both irrigated and rain-fed) and area under current fallow land on cadastral survey maps; Undertaken spatial analysis of data to develop network for transportation planning and allocation; Done analysis of water drainage pattern, recorded water flow direction on GIS map and assigned order number to drainage according to the direction of flow; Prepared GIS base map of watershed management for every scheme of study area; Created land use/land cover mapping for every scheme of the study area for analysis purpose. Drainage pattern is captured according to their flow of direction in water catchment area and Right bank and left bank canal is captured for recreation and modernize in command area. 		
Name of Assignment: Road and Sewage mapping and surveying for Bhopal Municipality.MP. Activities Performed: <ul style="list-style-type: none"> With growing population, pressure and expansion of the city sewage pipeline is required to manage and replace wherever it is damaged and not functioning. To modernization sewage pipelines GIS technology is used as a tool for identifying the most affected areas and to analyze the planning for further modernize the scheme in study area. Conducted a ground survey in whole city area to identify the affected locations of sewage pipeline and captured as point information through GPS instrument. Created whole city road network system using high resolution satellite image and collected existing sewage pipeline network map from Municipality. Captured all pipeline networks in vector format as well as identified affected location in point and overlay on Road and sewage pipeline network. Most affected area can be identified analyze on a map and further modernization and repairing work can be done. 		

Period	Employing organization and your title/position. Contact information for references	Country
Oct 2008 – Feb 2010	Employer: Global Mentor Technologies (GMT) Malaj, Al Riyadh KSA. Position: GIS Specialist For References: Name: Dr. Javed Mallick (Consultant) Phone: +966558578715	Kingdom of Saudi Arabia
Summary of activities performed relevant to the Assignment :		
<p>Name of Assignment: Cadastral Mapping and Surveying.</p> <p>Year: Oct 2008 – Feb 2010</p> <p>Location: Riyad</p> <p>Client: A manpower project with MOMRA (Ministry of Municipality and Rural Affair), Mursalat, Riyadh, KSA.</p> <p>Brief Description: MOMRA (Ministry of Municipality and Rural Affair) has well developed Remote Sensing & GIS infrastructure in survey and mapping department responsible for making survey And topographical Maps.</p> <p>Main Project Features: Deal with Aerial Photography and Cadastral Mapping.</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> • Formulation of project proposal, implementation and evaluation of project. • Worked on cadastral map of different region of KSA. • Preparation of cartographic maps with quality assurance/ quality check. • Mapping and editing by using aerial photography for whole region of KSA. • Base map development of Kingdom of Saudi Arabia using Remote Sensing and GIS; IKONOS and QUICKBIRD satellite imagery. • Satellite image processing and analysis using Remote Sensing and GIS. • Undertaken quality check of land use/cover and its updating. • Field survey for capturing ground control points. <p>Deal with the Topographic Map of KSA and Prepared Digital Map for the Purpose of GIS.</p> <p>Name of Assignment: Route Selection Mapping of Railway track for Makka-Madina Region.</p> <p>Main Project Features: Selection of route network and identification of terrain feature.</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> • Satellite image processing and analysis using Remote Sensing and GIS. • Field survey for capturing ground control points. • Geoprocessing of Topographic sheet of study area. • Satellite image processing and analysis using Remote Sensing and GIS. • Undertaken quality check of land use/cover and its updating. • Create Contours Map for study Area. • Create spot height on Map. • Analysis of Terrain features for purpose Rail Route. 		

Period	Employing organization and your title/position. Contact information for references	Country
Dec 2006 – Sept 2008	Employer: Eicher GoodEarth Pvt. Ltd Gurgaon, Haryana Position: GIS Analyst For References: Name: Mr. S.Sahoo (GIS Team Leader) Phone: 011-41437600	India
Summary of activities performed relevant to the Assignment : Name of Assignment: All India Road Atlas Mapping. Year: Dec 2006 – Sept 2008 Location: New Delhi Client: Departments of tourism, India. Main Project Features, GIS based Mapping for community users. Users Guide Map for Transportation. Activities Performed: <ul style="list-style-type: none"> To deals with satellite image processing and analysis using Remote Sensing and GIS; Preparation of Geodatabase and updating of all India's Road Maps; Geodatabase creation for all metropolitans cities Road Network; Cartographic Route guide Mapping; Conducted GPS field survey for Ground Control Points. Surveying of study area for ground validation of geographic entity. 		
Period	Employing organization and your title/position. Contact information for references	Country
Aug 2005 – Nov 2006	Employer: Compass Solutions A-200 Mahipalpur Extn, N.Delhi-37 Position: GIS Engineer For References: Name: Parveen Meena (Project Manager) Phone: 011-1155448076	India
Summary of activities performed relevant to the Assignment : Name of Assignment: Electrical Power Project of North Delhi. Year: Aug 2005 - Nov 2006 Location: New Delhi Client: NDPL (North Delhi power Ltd.) Main Project Features: GIS Database for power network and utility assets. Consumer's data maintenance through digital mapping. Activities Performed: <ul style="list-style-type: none"> Creation of GIS database for the entire power network and utility assets of N.Delhi for management and to help in planning and comparative analysis. Ground Survey for collection of Transformer and line diagram for their feeder. GPS Surveying for HT pole and LT pole features. Conduct Field Survey to collect household consumer Data. Data conversion, Coordinate transformation, Data editing, tables creation, Data Import & Export, linking spatial non-spatial data and Data base management system. To deals with satellite image processing and analysis using GIS and Remote Sensing. Name of Assignment: Inter Linking Road Network Project (PWD) Uttarkhand State. Activities Performed: <ul style="list-style-type: none"> Prepared Map of Identification of interlinking Road Network of whole Districts of Uttaranchal State for PWD (Uttaranchal) Created whole District road network system using high resolution satellite image. Captured as point information on NH, Major and Minor Road through GPS instrument. 		

Period	Employing organization and your title/position. Contact information for references	Country
Dec 2003 – July 2005	Employer: Global Co-ordinates. Saket Enclave, Saket, N. Delhi Position: GIS Engineer For References: Name: Aparna (Project Manager) Phone: NA	India
Summary of activities performed relevant to the Assignment :		
Name of Assignment: Vehicle Tracking System and Road Network Project of Delhi & NCR. Year: Dec 2003 – July 2005 Location: New Delhi and NCR Client: SAICOM, Noida. Main Project Features: To track vehicular movements through GIS based road network of Delhi and NCR region. Activities Performed: <ul style="list-style-type: none"> Preparation of GIS maps. Undertaken image registration and interpretation Undertaken data conversion, coordinate transformation, clean, build, attributes collection, data editing, table's creation, data import and export, linking spatial non-spatial data and data base management system. Preparation of GIS maps of west Bengal District boundaries and blocks by using GIS techniques. 		
Technical Knowledge & Skills		
<ul style="list-style-type: none"> Research experience in the field of Remote Sensing, GIS, Digital Image Processing and its application (DEM generation, expertise in digital image classification etc.) Spatial database development and management. Land use/land cover analysis . Project management, consultation, technical research and documentation GIS software: ESRI ArcGIS 10.4 , 9.3, Arc View 3.2a, MapInfo 7.5 Digital Image Processing software: ERDAS Imagine 9.1, and ENVI 4.1. Survey and data collection through conventional survey, GPS. GPS handling: Garmin. Photogrammetry Suit: Image Station. Scanning and Printing of Maps. Technical software: AutoCAD Map2010-200i, Micro station. Operating Systems: Window 98, Window 2000, Window XP and Window 7. Office tools: MS Office 2003, 2007, 2010. 		
Satellite Datasets and Training Attended:		
<ul style="list-style-type: none"> IKONOS, QUICKBIRD, ASTER, LANDSAT TM, LANDSAT ETM+, Aerial Photograph image. Two week training of GIS and Remote Sensing in IIRRS, Bangalore, India. 		
Surveying Skills:		
<ul style="list-style-type: none"> Land Surveying with Differential DGPS instrument. Garmin GPS. Socio and economic survey at MEWAT region in Haryana, India. Socio and economic survey of state Goa, India. Advance land surveying (Dumpy level, Sextant, and plain table etc.) 		

Research Paper Published:

Paper presented at 5th International Conference in Bangkok, on *“Spatial mapping in SOMAARTH Demographic and Development Environmental Surveillance Site. (DDESS) using a participatory GIS methodology within the context of rapid environmental changes”*.

Language Skills:		Read	Write	Speak
	English	Excellent	Excellent	Excellent
	Hindi	Excellent	Excellent	Excellent
	Urdu	Excellent	Excellent	Excellent

References:

1. **Prof. Atiqur Rahman**, Associate Prof, Department of Geography, Jamia Millia Islamia, New Delhi, India. Pin code-110 025; Email: ateeqgeog@yahoo.co.in
2. **Dr.Javed Mallick (Asst Prof)** Department of Civil Eng., King Khalid Univ,Abha,KSA. javnaffi@gmail.com
3. **Dr Manoj K Das** (Project Manager),Inclen trust International.Okhla Ph-1 New Delhi, Email Id: manoj.k@inclen.org, Phone: 011-47730000

Personal Detail's:

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Declaration :

I declare that the information and facts stated above are true and correct to the best of my knowledge and belief.

Place : New Delhi

Date :

Mohammad Akbar Khan