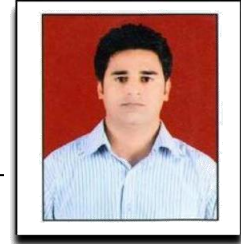# KAPIL SHARMA

5th Avenue, Gaur City 1, Greater Noida West
Contact No: - +919990088736, 8882505868
E-mail: **kapil.sharma212@gmail.com**-**&** **klsharmakp@gmail.com**

Over 11 Years of Hands-on experience as Senior
Associate (Land Use, GIS & Remote
Sensing)

Professional Synopsis

- An aspiring professional with rich exposure and hands-on experience of 11+ years in the field of GIS & Remote Sensing, Environmental Studies; Post graduate in geography with a specialization in GIS and a Postgraduate Diploma in GIS & Remote Sensing.
- Has been working on projects with Darashaw Company Private Limited (DCPL), as Senior Associate (GIS Expert) Creation of a GIS-based spatial database using high resolution satellite imagery geo-referenced control points taken by dual-band GPS (DGPS) the survey and updated by ground-truthing (validation).
- Responsible for preparation of input in the functional areas Land Use & Social Studies and its anticipated impact assessment due to various developmental activities.
- Has prepared GIS-based maps for various Mining (Cat B1 & B2), Building & Large Construction projects and Township & Area Development Project.
- Has worked on numerous projects with IL&FS Environmental Infrastructure Services Limited (IEISL), as Executive GIS and honed knowhow of Environmental Impact Assessment based on Baseline environmental characteristics and prepared EIA reports for various road projects, infrastructure and thermal power projects.
- Has been sensing carried out GIS and remote studies from a primary and secondary data source, interpretation of Digital image and, Digital image processing using GIS & Remote Sensing software.
- Highly energetic and savvy professional with keenness to continuously learn and prove mettle in challenging situations.
- Solutions-oriented approach with excellent relationship skills, successfully and consistently delivering the responsibilities of the role.

Career Snapshot / Accomplishments

SENIOR ASSOCIATE (GIS EXPERT)
Darashaw & Company Private Limited, 5/2016 - Present

Appointment of Project Management Consultant for Lucknow Smart City Limited for implementing smart city projects under smart city mission in Lucknow

- Creation of a GIS-based spatial database using high-resolution satellite imagery geo-referenced control points taken by dual-band GPS (DGPS) survey, and updated by ground truthing (validation). The property boundary layer is then migrated on top of this GIS base map to create homogenous GIS data layers.
- In GIS based property tax assessment each house is identified with the House number, owner name, contact no etc. The accurate area of the plot is calculated with the help of the GIS**.**
- Utility mapping includes Roads, water pipelines, sewerage, storm water electric lines, traffic management, health center, fire stations telecommunications Miscellaneous services etc.
- Mapping the areas supplied with protected water.
- Identification of new roads, bridges, cause ways and culverts.
- Mapping the city into various illumination zones of public street lighting.

Preparation of Base Map, Property and Utility Mapping and Door to Door Survey using GIS by Municipal Corporation Moga

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SENIOR GIS EXECUTIVE
Ascenso Enviro Pvt. Ltd., Noida, 4/2013 – 5/2016

- Environment Clearance Silica, Soil, Sand, and Stone Mining Projects (Punjab, U.P., Bihar, M.P., and H.P.):
    - Data acquisition; coordinate system & datum transformations. Geo-referencing of Toposheets & Khasra map, Create khasra boundary from raster to vector process, village boundary.
    - KML & KMZ creation for use with Google Earth & Google Earth Pro.
    - Micro & Macro watershed boundary based on drainage pattern, layer create in which village location, Type of Landmarks.
    - DEM Preparation, data integration & QC.
    - Create 10 & 15 Km Topographic & Eco sensitive maps.
    - Social Maps i.e. Administrative, Population Density, Choro-Chromatic Maps.
    - Responsible for Geospatial Analysis of the social database, Scaling of database.
    - CAD data to GIS. Thematic Map Creations Using Arc GIS
    - Tools: **-**Arc- GIS 9.3, ERDAS Imagine, Autocad Map, Google Earth Pro.
- Construction Projects: Data acquisition; coordinate system & datum transformations. Geo-referencing of
  Toposheet, layer create in which village location, Type of Landmarks, DEM
  Preparation, data integration & QC, create 10 & 15 Km Topographic & Eco sensitive maps. Tools: -Arc- GIS 9.3, ERDAS Imagine, Autocad Map, Google Earth Pro.

GIS EXECUTIVE
IL&FS Environmental Infrastructure Services Limited (IEISL)
Gurgaon, India 10/2010 – 01/2013

- **Rajasthan Watershed Mapping**: Watershed Development & Planning. Geo-referencing, Geocoding, Spatial Adjustment, Create Khasra boundary from raster to vector process, village boundary, micro & macro watershed boundary based on drainage pattern, Drainage Pattern, river, water body, Canal, reservoir,
  Dem, Pond, Tank & Contour extraction, And also point layer create in which village location, Type of Landmarks DEM Preparation, data integration & QC
    - Tools: -Arcgis 10.1, Map-Info, Autocad Map

- **GIS Data Supply For Africa** :
    - GIS Data Supply for African Countries (Sudan, Chad, Burkina Faso, Gabon, Niger, Ghana, Kenya). Quality Check (QC) after Roads and Landmarks Creation
    - Roads data Creation & Integration attribute editing; georeferencing; geocoding; topology correction; cartographic design & map making for a variety of print & electronic formats.
    - KML & KMZ creation for use with Google Earth. Geo-referencing of African Toposheet & Landmarks DEM Preparation.

GIS EXECUTIVE
I-services India Pvt Ltd (iEnergizer)
Noida, India 05/2010 – 10/2010
Center Point Energy (Electrical/Gas) Online Project :
Automated Mapping (AM) & Facilities Management (FM) Project using the ArcGIS Map. The client of this project Center Point Energy, USA. This is an AM/FM online project. The main objective of the project is to install new consumer Electrical/Gas connections, update and maintain the GIS data pertaining to land base information in USA (Minnesota, Texas, Mississippi, Oklahoma, and Houston) Regions

DIGITAL CARTOGRAPHER
InfoTech Enterprises Ltd (Tele Atlas India)
Noida, India 04/2009 – 04/2010
Navigational Project of U.K. Countries Main project features: Data acquisition; coordinate system & datum transformations; database design, creation & maintenance from spatial & attribute data. Activities performed: Normalization, Stabilization, Creation & Digitizing Road Geometry.
Update Reports, MOMA Project (Mobile Mapping) Using Tele Atlas Software TA Mapper.

EDUCATION
- **Bachelor of Arts (Humanities and Social Sciences), 2006**
  M.R.Govt.College, Fazilka, PB, INDIA
  Major: Geography, GPA:3.5
- **Master of Science (M.Sc), 2008**
  Punjabi University Patiala, PB,
  INDIA Major: Geography, GPA: 3.0
- **PGDGIS & RS, 2009 C-DAC**, Noida, UP, INDIA
  Major: GIS & RS, GPA: 3.0

CERTIFICATION
Post Graduate Diploma in Geographic Information Systems and Remote Sensing from C-DAC, Noida, 2009

COMPUTER SKILLS

MS office (2003, 2007 & 2010), Internet, Windows (98/2000/XP/Window7/Window8/Window10).

SUMMERY OF GIS EXPERTISE

- ERDASIMAGINE 9.3: Enhancement, Georeferencing, change detection, resolution merging, classification, Digital Image Processing, Rectification, Mosaicing, Subset, layer stacking.

- ArcGIS 9.3, ArcGIS 10.2 & 10.4: Registration, Geocoding, Raster to Vector Conversion, Buffering, Query Building, Topology, Thematic Mapping.

- MapInfo professional 6.5: Registration, Import, Digitization, Thematic Mapping.

- AutoCAD 3D 2014: Digitization, Transformation, Rubber sheeting, Topology

- Global Mapper 12: Conversion of Shape files, tab, dwg Files to KML Files and so on.

- FAMILARITY: Arcview, AutoCAD Map2000i, MapInfo, Erdas, Global Mapper.

- Proficient with Microsoft Office and GIS internet applications.
- Working knowledge of GPS hardware and software, and the integration of GPS data into GIS software