



Kuldeep Singh Chauhan



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~ GIS Analyst~

~ Geographical Information Systems (Database Management) ~ Remote Sensing ~ Auto Cad ~ Map Info ~
9 years plus of experience

Industry Preference: Geo Spatial & IT Services

Location Preference: Delhi & NCR



PROFILE SNAPSHOT

- Gained insightful experience in executing **multiple projects (Geographical Information Systems & Remote Sensing)** while meeting business needs in a fast paced, dynamic, and globally expanding MNC environment.
- Proficient in devising **strategic plans & schedules for projects** encompassing Client-meeting, Technical Support, System Requirement Study, Data Capturing, Analysis, Quality Checking/Assurance, Database designing, Migration, and Integration
- Skilled in preparing **technical specifications** while working in close coordination with the Clients and Project Team.
- Expertise in undertaking technical & feasibility studies while conducting complex calculations including site investigations.
- Involved in large-scale projects with major clients across the globe implementing GIS projects using ESRI, Microsoft & Extensive technical working experience in the field of GIS, Remote Sensing, Auto CAD and Google earth etc.
- Excellent understanding of business operations and analytics tools for effective analysis of data.

✦ **Excellent problem solving & technical skills coupled with confident decision making for enabling effective solutions leading to high customer satisfaction and low operational costs**



TECHNICAL SKILLS

- Sound knowledge of:
 - **ESRI** Arc GIS 9.x, 10.x & 10.5 Desktop (Arc Map, Arc Info, Arc View), ArcGIS Pro, Arc Scene, & AutoCAD Map, Map Info as Mapping Software.
 - Pathfinder, Global Mapper, Mobile Mapper for post Processing and ERDAS Imagine for Image Processing.
 - MS Office suit (Word, Excel, PowerPoint, and MS Project)
 - GPS, DGPS Total Station, Google Earth, Microsoft Street and Trip for Routing and Planning.



WORK EXPERIENCE

Jan'19 – Present Nextgen Innovation Labs Pvt. Ltd., Gurgaon as GIS Analyst

Currently Working Project:-

E-911 Telecom 5G Testing and S1 Rehome (Sprint and T Mobile 2nd Phase) Project (USA)

- Land Use, Travel time and route planning with Sprint (USA) for E-911 PSAP testing.
- Planning for Field Survey Provide Proper Plan and KMZ to Testers according to Markets location.

AREAS OF EXPERTISE:

Geographical Information Systems (Arc GIS, Arc Pro)

Remote Sensing

LIDAR and UAV data Mapping

Image Processing

Satellite Image Interpretation

Drone Image Mapping and data linking

Geo Referencing, Geo Processing and Geo Tagging

Auto Cad Map

Database Management

Migrations & Integration

Data Production and Analysis (Geo-Spatial)

Quality Assurance and Finalization

Co-ordination with Clients

Routing and Planning

Layouts, Mapping and PPT Presentation

Land Use, Land Base and Urban Planning

GIS Application Support

- Technically supported various team thru GIS Mapping platform.
- Researching information about inhabitants and Making decisions about developing resources.
- Performs services for network design and optimization including determining target expansion areas, traffic and capacity analysis.
- Manage daily execution of production project and ensure timely with required quality.
- Working with Delivery Head for evaluating resource required for the project
- Devising production plan for the project and creating procedure documentation for the same
- Monitoring progress of the project & taking corrective actions as per the requirement; assigning work to the project team and ensuring achievement of performance levels
- Liaising with the client for:
 - Project delivery related issues and timely reporting them on project status
 - Successful completion of user acceptance test by the client
- Ensure resolution of issues related to resource and technical inputs.
- Monitoring the performance of Data / Production Supervisors / Executives
- Extending support to the team members on digitization and project delivery functions
- Working as Quality Reviewer for another production-based project
- Managing software related issues and technical support to the team leaders / team members



PREVIOUS EXPERIENCE

Mar'15 – Jan'19	GCB Services Pvt. Ltd., Gurgaon as Senior GIS Consultant	(Duration: - 3 Years 10 Months)
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E-911 Telecom 5G Testing (Sprint 1st Phase) Project (USA)

Description:- In this Project I planned routing and Navigation plan for Testers in this project I process the RF dump data and plan different sites with different location for 5G testing (Sprint) Basically This is survey based project Testers survey the different site (Live Time) and make the Live and Lam calls according to their plan on different sectors.

Verizon Telecom GIS Survey Project (USA)

Description: - This is survey-based project. Tester get the information from the site using with DGPS device and sent raw data for process after that this data use in different type software. The Main Objective of this project is to prepare the Shape, attribution KML part according to client's criteria. We plan mapping with the help of different kind of software as Arc GIS and map Info.

Urban Area GIS Mapping Project (USA)

Description: - In This project work on high resolution Aerial (UAV) and LIDAR Images In which classification of the Urban, Semi Urban and Rural area, Interruption of the Imagery and data linking.

Oct'10 – Mar'15	Petro IT Ltd., Gurgaon as Team Leader GIS	(Duration: - 4 Years 5 Months)
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R-APDRP (Restructured-Accelerated Power Development and Reform Programmed)

Description: - The Govt. of India has proposed to continue R-APDRP during the XI Plan with revised terms and conditions as a Central Sector Scheme. The focus of the program shall be on actual, demonstrable performance in terms of sustained loss reduction.

It is proposed to cover urban areas - towns and cities with population of more than 30,000 (10,000 in case of special category states). In addition, in certain high-load density rural areas with significant loads, works of separation of agricultural feeders from domestic and industrial ones, and of High Voltage Distribution System (11kV) will also be taken up.

Cairn Energy India Land Base and Oil Well Project

Description: - This Project based on revenue map of Barmer & Jalor District. (Working on approx. 3000 Sq KM Area of RJ Block, Barmer, Rajasthan). The Objective of the Project is to establish a GIS enabled Land Information System Containing Diverse Data Built under a Common Platform. CIL has Acquired land & Well Pads and has developed necessary infrastructure in order to ensure that information and data available at all these locations are ready for inventory and management, CIL is Planning to have GIS ready data.

Pipeline GIS Mapping Projects,
PHDPL, SMPL Indian Oil Corporation – New Delhi,
USGC Pipeline project, Chevron, (USA)
BOB CO2 Pipe Lin, ADCO, Abu Dhabi (UAE)

Description: - Petro IT Is developing software for Oil & Gas pipeline-oriented company. Software use to provide online information of on ground construction as Route Survey, Activity Progress, GPS location of weld, Pipe, Valve, and other Pipeline Assets for various clients located at India, Indonesia, Oman etc. GIS Application helps the client to lay the pipeline as per the AFC and control the deviation from it. Automatically update Maps other than administrative and Route Survey once uploaded on web server. GPS location data help for accuracy and for further implications of pipeline objective like depiction of weld points deviated from center line, depiction of actual pipe length vs length calculated on basis of weld coordinate. Thematic mapping of soil type, Pipe Profile, Google Earth Integration, Alignment sheet viewer are the enhanced feature included in the system. Depicting the **City Gas Distribution** into the Map and managing all its customer from a single interface.

Sep'07 – Oct'10

SGS Info Tech Pvt. Ltd., Gurgaon as Sr. GIS Executive

(Duration: - 3 Years 1 Months)

Parcel Mapping and Cadastral Mapping Project

Description: - This project based on parcel map Cadastral map which image is rectify with the help of Arc Map & Auto Cad software.

Multi-Purpose Household Survey under Project UIDSSMT (Municipal GIS)

Description: - This is the project of Municipal Corporation which is survey based 48 wards of Sagar district (MP) . The survey work done with the help of satellite imagery and GPS.

Soil Mapping (NIC) and Land Record Project

Description: - These projects based on soil & Cadastral mapping in these project digitization and classification of different type of soil area.

Land Cover & Land use of London City (UK Map) as GIS Engineer

Description: - The main objective of this project was to capture every detail on land by doing interpretation of Ariel photographs. All Building should be must digitized at 90-degree angle. Following were the activities involved.



EDUCATION

2007	M.Sc. in Geography from Kurukshetra University (Haryana)
2005	Graduate from M.D.U University, Rohtak (Haryana)
2002	Intermediate from Haryana Board, Bhiwani (Haryana)
2000	High School from Haryana Board, Bhiwani (Haryana)



CERTIFICATIONS

- Completed certification in:
 - **One Year Diploma in Computer Application (DRDO)** from National Institute of Computer Technology.
 - **Diploma in GIS & Remote Sensing** from SGS Info Tech PVT Ltd., Gurgaon Haryana
 - **Certification in Land Surveying Instrument** (Total Station and DGPS) from Broadcast Engineering Consultant India Limited (BECIL)
 - **Pursuing Post Graduate Diploma in Urban Planning and Development (PGDUPDL)** from IGNOU.
 - **Certification in Arc GIS Pro** from Udemy (Online Course).



TRAINING

- Attended:
 - Various ESRI Conference-New Delhi and Dubai.



PERSONAL DETAILS

Date of Birth : 5th July 1984
Languages Known : English & Hindi
Address : H.No.-58, Sector-95, Gurugram, 122505