

# LOKESH TAK



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## REMOTE SENSING & GIS PROFESSIONAL

Seeking a challenging assignment in the field of Remote Sensing/ Geographic Information Systems (RS/GIS) & Projects Management.

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### PROFILE

- A dynamic and versatile individual with an MSc in Geo-informatics (Remote Sensing & GIS) from Shridhar University, Pilani, possessing a deep passion and high energy level to pursue a successful career in the field of Remote Sensing, Image Processing, and GIS Applications. I possess the ability to blend skills and knowledge with creative instincts to achieve the goals of the organization.
- I have an in-depth understanding of various aspects such as Geo-referencing, Rectification, Supervised and Unsupervised Classification, Image Mosaic, Digital Image Processing, Visual & Digital Image Interpretation, and a wide range of GIS tasks. My expertise lies in Data Conversion, Data Attribution, Finalization of Data, Quality Checking, Error Solving, Final Map Layout, and resolving client-related data errors.
- Furthermore, I possess outstanding communication skills, both verbal and written, along with exceptional presentation skills. I consistently strive to exceed expectations in all aspects of my work.

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### PROFESSIONAL EXPERIENCE

#### **Scanpoint Geomatics Ltd, Ahmedabad (Project Manager)**

**March 2023 to Present**

##### **Bihar Rural Livelihoods Promotion Society Project, Bihar (BRLPS)**

Develop a Geo Portal to provide a platform where Farm and Livestock interventions can be mapped.

- Understand Project Scope and prepared project plan.
- Requirement Gathering from Clients and other different stakeholders.
- Compliance with the GIS Portal as per the required solution of the BRLPS and IGIS Product as per scope of work.

#### **Scanpoint Geomatics Ltd, Ahmedabad (Project Manager)**

**April 2022 to Present**

##### **Bilaspur Smart City Project (BSCL)**

GIS Implementation for Integrated Command Control Centre (ICCC) under Smart City Mission.

- Understand Project Scope and prepared project plan.
- Requirement Gathering from Clients and other different stakeholders.
- Technical support and demonstration.
- Prepared integration documents and supported 3<sup>rd</sup> party vendors (BMC, ICCC, SWM) for integration.
- Internal stakeholder management and documentation mapping.
- Conduct UAT and compliance it to close provided observation by the client.

#### **Agra Smart City Ltd Project- ASCL (Deputy Project Manager)**

**December 2020 to March 2022**

GIS Implementation for Integrated Command Control Centre (ICCC) under Smart City Mission in Agra.

- Data collection from different stakeholders.
- Team assistance & Technical support.
- Client interaction, Data Center, Disaster Recovery (DC – DR) allocation to HO and its activity.
- Basemap approval and submission.

- Technical presentation and Departmental Module demonstration & Approval.
- Property Geo-tagged data validation with the client, data submission, and approval.
- GIS integration with other departments as well ICCC.
- Successfully completion of User Acceptance Test.

#### **Ranchi Smart City Project (RSCCL) (Deputy Project Manager)**

**December 2019 to November 2020**

GIS Implementation for Command Control and Communication Centre (C4) under Smart City Mission in Ranchi.

- Data collection from different stakeholders.
- Basemap Preparation and submission.
- Quality Checking.
- Client interaction.
- Technical support and presentation
- User Acceptance Test and FAT approval.

#### **Nascent Info Technology, Bhavnagar (Project Coordinator)**

**August 2017 to November 2019**

Base Map Creation, Survey, Property Tagging, Supply & Implementation & Post Implementation support of GIS Solution for Bhavnagar Municipal Corporation (BMC).

- Basemap preparation and Quality Checking.
- Team assistance.
- Client interaction.
- Technical support and presentation
- User Acceptance Test Approval.

#### **Nascent Info Technology, Ahmedabad (Sr. GIS Analyst)**

**June 2016 to August 2017**

Base Map Creation, Property Tagging, Supply, Implementation & Post Implementation support of GIS Solution for Ahmedabad Municipal Corporation (AMC). Ahmedabad Municipal Corporation (AMC) is the largest and leading Urban Local Governance Body in Gujarat. AMC intends to set up Geographical Information Systems (GIS) based decision support system for departments working in planning, engineering, operations, and other departments.

- Project planning.
- Technical support.
- Quality Checking.
- Team assistance.

#### **ADCC Info cad Ltd., Nagpur (GIS Engineer)**

**March 2015 to May 2016**

##### **Estimation Forest Biomass with Hybrid Technique of Remote Sensing & GIS**

- Field survey, Integration of features, Classify LULC, Classify the Forest density map, Demarcation of Forest boundary.
- Creation of Biomass Map, Analysis & Finalization Biomass Statistic & map.
- Finalize data & submitted it to the client.

#### **National Land Record Modernization Programmed, Silvassa-DNH.**

**Jan 2016 to May 2016**

Modernization of Land Records including but not limited to the Digitization of old Records, Setting up of Modern Record Room, Digitization of maps, Integration of Textual with spatial data, survey / resurvey and updating of Mamlatdar and Survey & Settlement Records, complete integrated software system, data digitization, validation, verification and implementation

- Base Map Creation
- Data QC
- Land-based survey
- Data Migration on the ARC GIS Platform

**A GIS-Based Approach for Service Location and Site Evaluation for BANSEFI ATMs for Mexico City.** Oct 2014 to March 2015

- Consider a study area of Mexico City.
- Identify the demand to be covered in the study area
- Identify potential ATM sites in the study area
- Identify potential sites. This is important for comparison purposes with potential partners. It is an ideal case because it considers every possible location in the study area.
- Compare the selected locations based on the coverage criterion (amount of customers covered by ATMs in each case), and recommend the best course of action
- Creation of network analysis according to bank branches of Mexico for their beneficiaries (Customers).
- Create the best route for their requirement with the use of a network data set.
- Set annotation & Finalize maps.

**Namibia Country Wall Map Update. (GIS Engineer)**

Aug. 2014 to Oct. 2014

- 1:1000000 Scale Wall map updation of NAMIBIA (Africa).
- Set annotation & Finalize maps.

**Sikkim Land Records Modernization**

March 2014 to Aug. 2014

- Base Map Creation.
- GIS integration on ARC Map, Cadastral mapping & map Geo-referencing.
- Quality Check.
- Client Interaction.
- Data submission according to client requirements.

**LULC Mapping of Arunachal Pradesh, Meghalaya (North East Region) under the project of NESAC.** June 2013 to Feb. 2014

- Data Pre-Processing Image interpretation and digitizing the different classes of land use land cover.
- Ground Truth by use of Geotag Camera or GPS of newly built up or different classes.
- Quality Check & Finalize Land Use Land Cover & submit data to the client.

**Land Use Land Cover Update State of Maharashtra in MRSAC.**

January 2013 to June 2013

- Data Pre-Processing Image interpretation and update the different classes of land use land cover of 2005-06, from recently 2011-12 LISS III Image.
- Quality analysis of old to new updates.
- Ground Truth by use of Geotag Camera or GPS of newly built up or different classes.
- Quality Check & Finalize Land Use Land Cover Districts Maps.

**Adura Tech Private Limited, Hyderabad (GIS Engineer)**

Oct 2012 to January 2013

**Optical Fibre Cable (Airtel).**

- Digitization of Land base of 50-meter buffer area of OFC route and also Digitization of ABD i.e. Complex route network of OFC.
- Data conversion (GPS point to KML and SHP), Image Capturing from Google Earth for Digitization of Land base.
- Finalize the map of NLD & ABD without error or all expectations with all terms of requirements of the client.
- Software Skills:
- Arc GIS 9.3, Google Earth, Global Mapper 11, Map Info 10.0

**STATE REMOTE SENSING APPLICATION CENTRE, Jodhpur (Project work- Trainee)**

January 2012 to June 2012

- Working on Watershed Management Project & monitoring the quality of water.
- Conducting research to look at the sustainability of Watershed Development programs in the state in terms of natural resource rejuvenation and subsequently livelihood enhancement.
- Preparing base maps and map layouts of the research locations in ArcGIS
- Involved in data collection, data analysis, and consolidation.
- Integrating data with thematic layers.

## Software Skills / Technical Skills

Arc GIS 10.8, AutoCAD, Erdas Imagine, IGIS, QGIS, Map-info, Google Earth, MS Excel, Word, PowerPoint, SQL, R, Python(Basic)

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## EDUCATIONAL CREDENTIALS

**MSc Geoinformatics (RS & GIS) 2012** ■ Shridhar University

**BA (Geography) 2010** ■ MDS University

**HSC 2006** ■ Rajasthan Board

**SSC 2004** ■ Rajasthan Board

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## PROFESSIONAL ACHIEVEMENTS

- ❖ Appreciation letter from the client for hard work and successful completion of the Agra Smart City project in February 2022.
  - ❖ Certificate of recognition from Employer (SGL) for Extensive efforts in ensuring timely completion of UAT & FAT of Ranchi Smart city project in January 2021.
  - ❖ Appreciation letter from the client on Base Map Creation, Survey, Property Tagging, Supply & Implementation & Post Implementation support of GIS Solution for Bhavnagar Municipal Corporation in November 2019.
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## PERSONAL DOSSIER:

Date of Birth : 28<sup>th</sup> June 1989

Marital Status : Married

Language Known : English, Hindi

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## REFERENCE

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**Mr. Mukesh Kumar**

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