

## **TANNVI VAGHELA**

**Sr. GIS Engineer, Scanpoint Geomatics Ltd. (Service Department)**

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**Location:** Ahmedabad

## **Summary**

- I Have Above 3.5 Year's Rich Experience in GIS & Image Processing Sector.
- Rich Experience of Geospatial Technology like GIS Utilities Data Mapping With Non Spatial Data Management , Data QA/QC, Digital Mapping (NLRMP-Raj.)
- Proven ability in Property Survey Data Handling & Data Management , Team Handling , Task Management & Project Planning , Drone Data Process Using 3D Software(Photogrammetry) .

## **Skills**

Programming Languages: HTML and CSS, Basic SQL (PostgreSQL).

- Satellite Image Processing
- GIS - Utility Data Management & Mapping, Network Analysis, Site Suitability
- Remote Sensing of Vegetation
- Good Knowledge of Excel
- 3D Model - Drone Data Process - Photogrammetry

## **Software Skills (Geospatial Technology)**

- ArcGIS Desktop
- ArcGIS Online
- QGIS
- ERDAS
- AUTOCAD
- Google Earth
- IGIS
- ICAD
- Agisoft Metashape
- Pix4D

# Experience

Currently Working as Sr. GIS Engineer at “Scanpoint Geomatics Ltd, Ahmedabad” from 22<sup>th</sup> April, 2019.

## • Duties & Responsibilities –

GIS Data Creation and Management :-

- Data Creation :- Creation of Land Use & Land Cover Base Map With Ensure Quality Using Multiple Smart City Project Like..
  - DSCL (Dehradun Smart City Ltd),
  - ASCL (Agra Smart City Ltd),
  - AISCL (Aligarh Smart City Ltd),
  - LSCL (Lucknow Smart City Ltd),
  - RSCL (Ranchi Smart City Ltd),
  - JSCL (Jhansi Smart City Ltd),
  - MSCL (Moradabad Smart City Ltd),
  - SSCL (Silvassa Smart City Ltd),
  - SSC (Surat Smart City ),
  - BSSCL (Bihar Sharif Smart City Ltd)
  - Kolkata Development Authority
  - ELCITA (Electronics City Industrial Township Authority)
  - RRU (Rashtriya Raksha University)
  - Bihar Jivika - Working On
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- Creating Various Type of Utility Data With Non Spatial Data Like Road Network, Drainage Network, Water Pipeline Network , Sewerage Network ,etc..
  - Creating & Maintenance of the Data Layer as Requested Form.
  - Import & Geo Reference CAD Data / Satellite Image / Toposheet Map.
  - Orthorectified the aerial photos to be used in features extraction & making the necessary update ( building footprints , roads and landmarks ) .
  - Create Maps & Graphs , Using GIS Software & Data Collection Equipment.
  - Crating various Professional Map Layout.
  - Data Cleanup ( Includes Geometry & Organized the Labels, Topology correction ) .
  - QA - QC of Landmarks Data & GIS data in Above several project.

Team Management :-

(BSSCL - Bihar Sharif Smart City Project - Internal Department Ownership of Property Survey Data Handling/Data Management/Updation & Finalization as Per Requirement)

- Task Creation and Allocation to Team With Monitoring.
- Project Planing :- Status Maintain of Property Survey Activity (With Resource Allocation and Timeline).

## Research & Development :-

- Drone Data Processing Using 3D Softwares (Pix4D & Agisoft Metashape).
- Data Process :- Point Cloud Generate , Image Orthorectification, 3D Model Generate, Merge Multi Parts Project

## Document Creation :-

- Prepare Data Model as Per RFP Requirement.

## Worked as GIS Analyst (Dissertation Part) at “AMNEX info-technology, Ahmedabad” from 1st Dec, 2018 to 30th March 2018

- Changes in Land Use and it's each feature Trends: A Case Study on Vastan Lignite Mine Surat: M.Sc final year project.
- Study of crop classification of kadapa sub-district of YSR Kadapa district Using Image Classification Supervise & Unsupervised Techniques With Multitemporal Remote Sensing Data.
- Kutch Project :- Data Adjustment On Satellite Image Using Georeferencing , Spatial Adjustment Techniques.
- Boundary Data Digitization.

## Awards & Achievements:

- Ensuring a Qualitative and Quantitative Work in DSCL (Dehradun Smart City Project) .
- I Got Appreciation For Drone Data Process (3D Model Generate)

## Education :

- **Masters in Science (Geoinformatics)** from Gujarat University - School Of Science in 2019.
- **Bachelor in Science (CBZ)** from Gujarat University - R.G Shah Science Collage in 2017.
- Passed **12th** from GSEB Board in 2014.
- Passed **10th** from GSEB Board in 2012.

## Certificates:

- Ensuring a Qualitative and Quantitative Work in DSCL (Dehradun Smart City Project) .

## Interests:

- Chess Game
- Cricket
- Travelling
- Exploring Web Developing.

## Personal Details:

- **Father's Name:** Chinubha Vaghela
- **Mother's Name:** Sharmila Ben C. Vaghela
- **Date of Birth:** 14-07-1997
- **Gender:** Female.
- **Marital Status:** Married.
- **Nationality:** Indian.
- **Present Address:** K- 107,Om Shanti Gold Plus , Vatva Lambha Road , Narol -382405, Ahmedabad.

## Declaration:

☐ I hereby declare that all above mentioned information is true to best of my knowledge.

