

1. Position: GIS consultant

2. Experience : 12 Years

3. Profession: GIS and Surveying in Urban Planning

4. Date of Birth: 1st July, 1987

5. Nationality: Indian

6. Current Address- Plot No 1046/1 , Sector 4A, Gandhinagar, Gujarat, INDIA 382006

7. Key Qualifications:

I have pursued **Masters of Geomatics & Space Applications** from esteemed CEPT University, and have **professional experience of 11 years as GIS** Expert, working on urban planning and related projects. I have sound technical knowledge and experience of working on following software and Instruments.

- **Worked using Software** : Arc GIS PRO ; CAD; ERDAS Imagine; QGIS
- **Worked with Instruments**: Total Station, DGPS, Handheld GPS, Lidar , Drone

During this period, I have mainly worked on following:

- Creating and managing Geo-database
 - Image procurement, processing and interpretation of satellite images,
 - Data Collection using Total Station and DGPS survey,
 - Geo-referencing images and different data-set collected/mapped from different sources,
 - Preparation of base map, vectorization of cadastral maps,
 - Preparation of existing land use maps, various thematic maps for spatial-statistical assessment
 - Land suitability analysis and development potential analysis, transport network analysis
 - Preparation of Development Plans/ Master Plans using GIS
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8. Education:

- **Bachelor in Commerce (2005-2008)**
Gujarat University
 - **Masters of Geomatics & Space Applications (2008-2010)**
Faculty of Geomatics & Space Applications, CEPT University, Ahmedabad
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9. Employment Record:

9-1) SELF EMPLOYMENT

Duration: March 2022 – Till Date

Designation: GIS EXPERT

| Projects | Client | Year |
|--|-----------------------|------|
| • Guest Lecture and GIS Workshop in NIRMA UNIVERSITY | NIRMA UNIVERSITY | 2023 |
| • Plots Boundary Marking ,Dungarpur site | Panchal Consulatatant | 2023 |
| • Master Plan for PURI | CEPT UNIVERSITY | 2023 |

9-1) ADANI GROUP

Duration: May 2019 – March 2022

Designation: GIS Engineer

- Responsible for creating a Geo-database , primary survey, preparation of detailed land use plans and base map containing cadastral information like plot numbers and ownership, land use analysis, watershed analysis , analysis of suitability of available land for various uses like residential, industries, agriculture, Arc-GIS online web application, Land bank

| Projects | Client | Year |
|--|--------|-----------|
| • Land Bank Data Creation | - | 2019-2022 |
| • Land Bank Webapp Development | - | 2019-2022 |
| • Rail Corridor Land bank, site suitability Analysis | - | 2019-2022 |

9-2) CEPT Research & Development Foundation (CRDF), CEPT, Ahmedabad

Duration: Mar 2013 – May -2019

Designation: GIS Analyst

- Responsible for creating a Geo-database, primary survey, preparation of detailed land use plans and base map containing cadastral information like plot numbers and ownership, land use analysis, watershed analysis, analysis of suitability of available land for various uses like residential, industries, agriculture etc.
- Mapping of heritage inventory, livelihood, food and art, and assisting in preparing proposed Heritage Walk and identification of sites for probable projects.

| Projects | Client | Year |
|--|---|------------|
| • Comprehensive Development Plan for Talcher-Angul-Meramandali Development Authority (TAMDA) | Talcher-Angul-Meramandali Development Authority (TAMDA) | 2013-2014 |
| • Inclusive Heritage Based City Development Program-Varanasi, Ajmer & Pushkar | Ministry of Urban Development (MoUD) and The World Bank(WB) | 2014-2015 |
| • Master Plan for Bhojtal (Upper lake) of Bhopal | BHOPAL - Urban Administration and Development Department | 2013-2-014 |

9-3) Naksha Solutions, Ahmedabad

Duration: July 2010 - Mar 2013

Designation: GIS Analyst

- Worked on generating GIS database, procurement and processing of satellite images of different time series, creating Thematic Maps, collection of cadastral maps and converting it from raster to vector
- Carried out GPS survey, geo-referencing, spatial adjustment, spatial analysis as appropriate, network analysis using different algorithm like chinse salesman algorithm

| Projects | Client | Year |
|--|---|------|
| • Satellite Image Interpretation, Land-use Classification (Level III) and Base Map of Hajira Port | ADANI | 2010 |
| • Topographical survey of road center line establishment and inventory in Kachchh | WAPCOS LTD | 2011 |
| • Mapping of 'Extraction of Minerals' for GMDC | GUJARAT MINARAL DEVELOPMENT CORPORATION | 2011 |
| • Analysis of influence of BRTS in migration of people in terms of residence and mode of Transport | CRDC, CEPT UNIVERSITY | 2011 |
| • GIS support for master plan of Patna | CRDC, CEPT UNIVERSITY | 2011 |
| • Pre-flight planning software for civil aviation department, Government of Gujarat | CIVIAL AVIATION | 2012 |
| • GPS survey and relocation study of solid waste collection bins in Ahmedabad | CRDC, CEPT UNIVERSITY | 2012 |
| • Demonstration Project for Postal Department for Routing Analysis of Postmen | POSTAL DEPARTMENT , GANDHINAGAR | 2012 |
| • Digitization of Cadastral Maps | ADANI | 2012 |
| • GIS based analysis for road widening inventory survey in Barmer | WAPCOS LTD | 2012 |
| • Project Management and Monitoring centralized application for MRVC | Mumbai Railway Vikas Corporation Ltd. | 2012 |
| • Distribution feeder mapping (data conversion) for UGVCL | UTTAR GUJARAT VIJ COMPANY LTD. | 2013 |
| • Parking base map for entire Netherland for Netherland based company Ultrafris | ULTRAFRIS , NETHERLAND | 2013 |

10. Other Project

| Projects | Client | Year |
|--|---|------------------------|
| <ul style="list-style-type: none">• Tourism development project, up tourism , utter pradesh and riverfront profiling work - Rishikesh and Haridwarfor spmg Uttarakhand | INTERNATIONAL CENTER FOR SUSTAINABLE CITIES | 2015-2016 |
| <ul style="list-style-type: none">• Preparation of Updated Base Map and LandUse Map using GIS | KISTOIC ADVISORY | 2016-17 |
| <ul style="list-style-type: none">• Contract for preparing GIS based Maps and study materialfor the project of Preparation of Master Plans for the towns of Kalyandurgam and Raydurgam in the state of Andhra Pradesh. | RADICAL INFRAVENTURES (INDIA) PRIVATE LIMITED | October 2018-Till date |

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Mehul Tuvar