

# CURRICULUM VITAE



**RAVI SHANKAR SINGH**

259, Vaishnav Vihar

Nangal Jaisa Bohra

Jhotwara, Distt. - Jaipur

State-Rajasthan-302012

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## CAREER OBJECTIVE:-

- To work with an organization which offer making best use of my education as well as my knowledge and offers a good scope for growth.

## EDUCATION:-

- Matric from R.B.S.E. Ajmer, Rajasthan.(2012)
- (10+2) from R.B.S.E. Ajmer Rajasthan. (2014)
- 3 year Diploma in Civil Engineering from BTER. (2016)
- B.Tech in Civil Engineering from RTU, Kota (2020)

## PROFESSIONAL SKILLS:-

FTTx-GIS/ Planning Engineer

- Ensuring the planned execution of projects within time.
- Co-ordination and monitoring for FTTx project work.
- Doing FSA feasibility surveys for new fiber path.
- Working on Ericsson Network Engineer, ARC GIS software.
- Responsible for FSA deviations.
- Supervising of Aerial execution from OLT to Splitter S1, S2 & OTB.
- Responsible for ITPs and GIS.
- Splicing and Termination, End to End link testing of optical fibre cable.

- **GIS Data Processing** : ❖ QGIS 10.3 ( Creation of digital database, Basemap, LOD, LULC, POI)  
❖ ArcGIS ( FTTx Planning , Creation of digital database, Basemap, LOD, LULC, POI).
- **LIDAR Data Processing** : ❖ Raw Point Cloud P2 (Pegasus 2) data processing ,  
❖ Data extraction on 3D Software.  
❖ Lidar data feature extraction and Terra match ( P2 & ALS Data) using Microstation Software,  
❖ Creation of DEM & DTM with the help of Point Cloud data.
- **3D Modelling**: Creation of 3D Models of whole Jaipur City by using Rhino and HxMap Software (By Leica).
- **Other Software**: Use of MS Office Tools, Google Earth, Arc GIS, Q GIS, Rhino 3D, Hxmap, Application Master (Ortho Vista, Seam Editor)
- **Global Mapper**, DGPS Surveying, Microstation (Lidar Matching).

## EMPLOYMENT HISTORY/EXPERIENCE

### CURRENTLY WORKING:-

#### FTTx Project in Reliance Jio Infocomm Pvt. Ltd.

- From 05 August 2021 to till now.
- Executing in Jaipur Rajasthan

#### **Role and Responsibilities:-** FTTx-GIS/ Planning Engineer

- Ensuring the planned execution of projects within time.
- Co-ordination and monitoring for FTTx project work.
- Doing FSA feasibility surveys for new fiber path.
- Working on Ericsson Network Engineer, ARC GIS software.
- Responsible for FSA deviations.
- Supervising of Aerial execution from OLT to Splitter S1, S2 & OTB.
- Responsible for ITPs and GIS.
- Splicing and Termination, End to End link testing of optical fibre cable.
- Responsible for closing the given TARGET within the time limitation with maintaining the all aspects of the site quality management.

## **Genesys International Corporation Ltd- Jaipur, Rajasthan**

**07 July 2018 To 26 July 2021**

I am working under “Jaipur3D Project” where i am preparing the following products using Aerial Lidar Survey and Mobile Lidar Survey data:

- Base Map Layers.
- Land Use and Land Cover layers.
- Level of Details (LOD0, LOD1, LOD2, LOD2.5)
- Then assigning the elevation value of each vector layers and create 3D model of each and every single elevated entity of AOI using DSM and DTM.

I have also worked in a **Carmera Process mapping data** (HD Mapping) captured for **autonomous vehicles** where I am preparing the following products using mobile Lidar survey data: □ **Base features** (Road margins, Center median, intersection lines, junction cores, carriageways, crossing zones, delay aprons, road segments, parking areas).

- **Overlay features** (Lane lines, delay lines, parking lines, restricted zones, dash marking, traffic arrows, parking zones).
- **Behavioral features** (Lanes, connection paths, lane connectors).
- **All features** are capturing in **Bentley Micro station**

### **Activities:-**

- Geo reference map sheets and satellite images
- Digitization of the khasra Maps and creation of the digital database of the AOI.
- Quality Checking of the data.

### **PROFESSIONAL EXPERIENCE:-**

**Work Experience:** 5 years of experience.

## **Genesys International corp Ltd.(Jaipur)**

### **Activity performed:**

#### **Base map & LULC map**

- Digitization of features of base map according to client requirement
- Attribution of feature of base map like road , building footprint , water feature etc.
- Topology of map of base map
- Digitization of feature of LULC
- Finalization of data & make print format.

#### **3D modeling**

- 3D modeling of Buildings LOD1 , LOD2, LOD2.5, LOD3
- Texturing of buildings

- Automatic building generation with Hx map & Rhinoceros
- Modeling & texturing of 3D base map features like divider, footpath, trees,
- Modeling on point cloud data with rhinoceros & recap
- Basic BIM modeling with Revit , CAD MEP & navis work
- Detail 3D modeling of feature like transformer, poles, electric box etc.
- Making CityGml
- Finalization of data according to Client requirement

#### **Track Adjustment (Tera Match)**

- Point cloud adjustment of MLS data (Tera match)

#### **Photogrammetry**

- Digitization of building in stereo

### **Kishore Techno Cad (P) Ltd., Jaipur**

#### **Detail Engineering Work :-**

- Preparation of Drawing Sheets after digitization based on the Total Station Data.
- Scaling of Survey Sheets and Village Sheets on the same scale.
- Preparation of database for linking with Khasra numbers, area and other features.
- Generating of L section as per filed survey by Total Station and marking Formation level as per department experts, and calculating earthwork statement.
- Preparation of key map.

### **Worked in following projects in different capacities**

Project : Preparation of Topographical Survey Plan of various villages

Client : Government of Gujarat (Gujarat Rural Housing Board)

Project : 3D city jaipur

Client : DOITC of Rajasthan

Project : Topography Survey

Client : Larsen & Toubro

Project : City Survey

Client : Government of Gujarat (Gujarat city Housing Board)

#### **STRENGTH:-**

- Positive Attitude.
- Self Confidence.
- Quick Learner
- Punctuality

- Team Work
- Supportive

### **HOBBIES:**

- Reading Books & Interior Designing, Travelling, Listening Music

### **DETAILS:-**

- |   |   |                               |
|---|---|-------------------------------|
| <input type="checkbox"/> Father's Name  | : | <b>Sh. Prem Prakash Singh</b> |
| <input type="checkbox"/> Date of Birth  | : | 08-08-1996                    |
| <input type="checkbox"/> Sex            | : | Male                          |
| <input type="checkbox"/> Nationality    | : | Indian                        |
| <input type="checkbox"/> Marital Status | : | Unmarried                     |
| <input type="checkbox"/> Language Known | : | English, Hindi                |

### **DECLARATION:-**

- ☐ I hereby declare that all the information in this resume are true and correct to the best of my knowledge and belief.

(Ravi Shankar Singh)