


# MANIKANDAN.T

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manigeomatics@gmail.com 



## OBJECTIVE

Highly motivated and driven Geospatial professional seeks position with an organization that can benefit from my extensive success in GIS, development of GIS Databases and enterprise applications, integration of surveying equipment's with GIS for precisely measurements and creation of Geodetic network. I am an accomplished, result driven professional with over 10 years of Geospatial experience in the various sectors.



## EDUCATION

### PHD\* GEOGRAPHY | BHU UNIVERSITY

2014 – 2022\*

### M.TECH GEOMATICS | INDIAN INSTITUTE OF SURVEY AND MAPPING

2008 – 2010

EQUIVALENT PERCENTILE- 87%

### M.PHIL | VMU UNIVERSITY

2008 – 2009

EQUIVALENT PERCENTILE- 70.3%

### M.SC APPLIED GEOGRAPHY | BHU UNIVERSITY

2006 – 2008

EQUIVALENT PERCENTILE- 67.3%

### B.SC GEOGRAPHY | BHU UNIVERSITY

2003 – 2006

EQUIVALENT PERCENTILE- 70.0%

### HSC | STATE BOARD

2002 – 2003

EQUIVALENT PERCENTILE- 80.3%

### SSLC | STATE BOARD

2000– 2001

EQUIVALENT PERCENTILE- 69.5%



## WORK EXPERIENCE

### GEOMATICS MANAGER | THRIVENI EARTH MOVERS (P) LTD.

17 JULY 2019 – CURRENTLY WORKING

- Drone Survey Monitoring and Audit
- Fleet Management Service Monitoring.
- Cadastral Land planning.
- Haul Road Gradient Monitoring and Optimization.
- Preparation of Excavation volume report.
- Monthly Excavation Planning.
- Coordinate with survey team.
- Coordinate with Land Department.
- Coordinate with BD team.

### GIS PROJECT OPERATIONAL MANAGER | ALT BIRD ROBOTICS (P) LTD.

03 DEC 2018 – 10 JULY 2019

- Production and Operational Activities (Mining Geospatial).
- Project Coordination.
- Tender Meetings.
- Client Relationship.

#### MAJOR MINING PROJECT

1. THRIVENI EARTH MOVERS P LTD - ODISHA.
2. THRIVENI SAINIK P LTD - JHARKHAND.
3. HENDALCO MURI WORKS - JHARKHAND
4. HENDALCO UTKAL ALUMINA REFINERY PROJECT – ODISHA

### GIS ANALYST | TRANSERVE TECHNOLOGIES (P) LTD.

15 NOV 2017 – 30 NOV 2018

- Production Activities.
- Project Coordination.
- Tender Meetings.
- Client Relationship.

#### MAJOR PROJECT

1. MAHARASTRA-SINNAR MUNICIPAL COUNCIL MIS BUDGET MAINTANANCE PROJECT.
2. MAHARASTRA-BEED MUNICIPAL COUNCIL GIS BASED PROPERTY TAX.
3. GOA-MARGON MUNICIPAL COUNCIL GIS BASED PROPERTY TAX.
4. GOA-MAPUSA MUNICIPAL COUNCIL GIS BASED PROPERTY TAX.
5. ODISHA-LAND RIGHTS TO SLUMDWELLERS.
6. WESTBANGAL-SAIL ELECTRONIC LAND RECORD PROJECT.
7. MAHARASTRA- SAWANTWADI DEVELOPMENT PROJECT (MRSAC).

## **GIS QC-PRE SALES | REDLEAF TECHNOLOGIES (P) LTD.**

27 JULY 2014 – 20 SEP 2017

- Tenders Bid / Marketing.
  - Customer relationship & Database Maintain.
  - Responsiveness to the sales enquiries and other queries from the client.
  - Technical documents and other Solution documents preparation.
  - BOQ Preparation.
  - EOI Documentation & Management.
  - Team Coordinate.
  - Team Leading.
  - Assign Projects.
  - Asset Mapping and Consumer Indexing / Team Coordinate.
  - Monitoring the Tsunami Early Warning and Generate 2D/ 3D modeling based on GIS.
- Platforms
- Farmer asset details.
  - GIS Trainer – College / Corporate.

## **PROJECT / TENDER BID-WORK**

1. TENGEDCO - R-APDRP (ELECTRICAL UTILITY)
2. KSEB – R-APDRP (ELECTRICAL UTILITY)
3. RSI – INCOIS (CONSUMER SURVEY)
4. SOUTHERN RAILWAY – SALEM (PIPELINE SURVEY)

## **GIS TECHNICAL | TRB SURVEYORS.**

05 MAY 2014 – 25 JULY 2014

- Tenders Bid / Marketing.
- Team Coordinate.
- Team Leading.
- Survey training.
- GIS Activates.
- Production Activity.
- Site Supervising and Control Point Establishment.
- Customer Support & Relationship.

## **GIS EXECUTIVE | KLAH AL MALADA TRADING AND CONTRACTING.**

24 DEC 2012 – 05 APR 2014

- Lead team of GIS/CAD operators and surveyors to provide geospatial data and services, produce technical drawings and provide technical advice on geospatial and data management.
- Assists the head of projects on matters concerning the data capture.
- Performs the verification and validation through conversion, entry, editing and update of GIS data for electrical work.
- Implements quality assurance and quality control and uploads mze standard for GIS data.
- Produce map.
- Facilitate the conversion of cad drawings into GIS data format.

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- Faculty training to other people.
- Control Point Establishing and collect the detail survey.
- Housing Coordinate and cadastral survey.

## **GISANALYST | MAPVIEW GEOGRAPHICAL SOLUTION (P) LTD.**

01 SEP 2010 – 20 DEC 2012

- Cloud Base Map Preparation / Development.
- Geoserver Implementation.
- GIS Activates.
- AVL Fleet Management.
- Coordinate Electronic school monitoring.
- SRI Training.

## **ON SITE – MINISTRY OF EDUCATION (SRI) – RIYADH (SAUDI ARABIA).**

## **GIS ENGINEER | ROFOUS INDIA (P) LTD.**

03 JULY 2009 – 12 FEB 2010 (GOOGLE)

- Map updating.
- Coordinate Convert.



## **SKILLS**

### **GEOMATICS**

Survey Chain - Apnea Meter-Kilino Meter-Rota Meter-Dumpy Level-Plane Table-Prismatic Combos - Auto level (Leica / Topcon)-Theodolite (Analog) Total Station (Trimble) - GPS&DGPS/GNSS (Trimble-ProXRT, R3, R6 Leica-GS14/15) Hand GPS (Garmin, Trimble)-Mobile LBS (Panasonic Palmtop with Arcpad10.2- Juno SB Terra Sync)-Stereoscope.  
UAV: - DJI Panthom 4 Pro, RTK, PPK, Mavic Series , Aero Propeller

ESRI Suite (ArcGIS Desktop, Arc IMS, Arc Server, Arc SDE, Arcpad, ENVI) - Blue Marble Geographic's (Global Mapper) - Auto Desk Suite (Cad, Civil, Map) - Trimble Suite Pathfinder - Business Centre, Real Works) - Open Source Application (Mapmaker, Udig, Quantum GIS, Open Layer, Map Tile, Atlas Edit, Google Earth & Sketch up, Kosmo, Geoserver) - Erdas Imagine - Terra sync - Postgres (PG Admin) Post GIS - Oracle Basic Loader - XML. E-Survey-FME-Smallword - Water office demo (View), GPS Postprocessing (Trimble-Fieldbook, Leica Office Suite) - Spectrum Link - Tomcat Server-Windows - Photoshop - Agisoft - Graf net - Pix4D - Drone deploy - 3d Survey.,



## **PROJECT UNDERTAKEN**

### **• GIS BASED ASSETS MANAGEMENT SYSTEM**

Project description: - Develop the spatial database for all of the electrical networks and their related components starting from 33 KV up to customer connections in Oman based on ArcGIS / ArcGIS Server / Arc FM and Oracle. Project Areas: Oman

### **• GIS BASED ASSETS MANAGEMENT SYSTEM**

Project description: - Utility (Power Sector -1) Facility Management Services ... of following electrical network assets through field survey and development, codification and indexing ... and attributes of assets and consumers collected through DGPS / door-to-door survey for GIS application. Project Areas:

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Tamilnadu, Pondicherry, Kerala,

#### • GIS BASED FARMER INFORMATION SYSTEM

Project description: - GIS in agriculture helps farmers to achieve increased production and reduced costs by enabling better management of land resources. Farmers land and crop potential identification.

Project Areas: Tamilnadu

#### • GIS BASED PROPERTY TAX MANAGEMENT SYSTEM

Project description: - The project is aimed at implementing web-based software for creating the data input interface and GIS based output interface to generate meaningful and user-friendly output.

Technical / BDE / Analyst / Manager Project Areas: - Goa, Maharashtra.

#### • GIS BASED SLUM MAPPING

Project description: - Responsibility of helping the authorities in mapping and surveying the slum households. Technical support of slum mapping. Mapping the slums using drones. Project Areas: Odisha

#### • GIS BASED WEB ENABLED LAND INFORMATION SYSTEM

Project description: - GIS based web enabled land information system for revenue and land records departments for agencies that manage property records. Project Areas: West Bengal

#### • GIS THEMATIC WEB BASED SMART SERVICE

Project description GIS techniques having unique capability to achieve different business goals of the Varies Sectors. Advanced maps and spatial analytics reveal deeper insight into relationships and patterns, answer complex questions, and inform decisions. (Banking, School, Tourism, Election, Environment) Project Area: Kerala, Saudi Arabia

#### • MINING SOLUTION

Project description: - Stockpile volumes and end-of-month reconciliation Terrain mapping and change detection Asset management and scheduling Situational awareness and emergency response Infrastructure and equipment inspection Security and surveillance Stockpile Management Geotechnical Modeling Inspection & Monitoring Technical / BDE / Analyst / Manager Drilling & Blasting Security & Emergency Response



## PAPPER PUBLICATION

1. GEOCHEMISTRY OF SURFACE WATER IN COIMBATORE CITY – A GEOSPATIAL STUDY - RECENT TRENDS IN MEDICINAL CHEMISTRY – COIMBATORE.

2. ANALYSIS OF SURFACE WATER QUALITY IN COIMBATORE CITY USING GEOINFORMATICS – MADURAI



## LANGUAGES

- **Tamil**- Native Language
- **English**-Speak, Read and write with high proficiency.
- **Malayalam**- Speak.
- **Telugu** - Understand but speak with basic competence.



## PURSONAL SUMMERY

Full Name: Manikandan Thangavelu

▪ Country of citizenship: India, Tamilnadu

▪ Nationality: Indian

▪ Date and Place of birth: July 21, 1986, Nagercovil

▪ Sex: Male

**MANIKANDAN THANGAVELU**

- Marital status: Married
- Other languages: English
- Mobile No.: +91 9698434408
- Email: [manigeomatics@gmail.com](mailto:manigeomatics@gmail.com)
- Father Name: Thangavelu
- Passport: Yes, Number: H5398740
- Overseas Experience: Yes (Saudi and Oman)
- Communication Address: 48/E Annai Shathiya Nagar, Ondipudur,  
Coimbatore – 641016, India



## DECLARATION

I solemnly declare that the statements made by me in this resume are correct to the best of my knowledge and belief.

Date: -

Place: - Coimbatore

T. MANIKANDAN