

RESUME

SARATH KUMAR GUNASEKARAN

SENIOR DESIGN ENGINEER- GIS

M.TECH (REMOTE SENSING) & B.E (CIVIL ENGINEERING)



Preface

- A Senior Design Engineer-GIS with 1 year & 5 months of India Experience in Water Supply Projects and 1 year & 8 months of UAE Experience in the field of Infrastructure Site Engineering (Roadworks, Bulk Earthworks- Cut & Fill, Underground Service utilities- Ducts, Pipelines, Chambers & manholes)
- Well organized and task focused with fine-tuned analytical, coordination and problem-solving skills and excellent communication skills.

Educational Qualification

- **Master of Technology in Remote Sensing at Anna University (Chennai, India) in the year 2014- 2016**
- **Bachelor of Engineering in Civil Engineering at Anna University (Chennai, India) in the year 2010-2014**

Professional Experience

- **Company Name: *Larsen & Toubro Construction Limited***
- **Position: Senior Design Engineer-Geospatial Technologies**
- **Projects:**
 - Ranchi Water Supply Scheme- Phase 1
 - Hazaribagh Urban Water Supply Scheme
 - Bankura Water Supply schemes to Indpur, Taldangra & Mejhia Blocks.
 - Medinipur Drinking Water Supply schemes- Nandigram I & II Blocks.
- **Clients:**
 - (i) Jharkhand Urban Infrastructure Development Company Limited (JUIDCO)
 - (ii) Public Health Engineering Directorate, WBDWSIP- Bankura.

(iii) Public Health Engineering Directorate, WBDWSIP- Purba Medinipur.

- **Job Responsibilities:**

- Prepares Geodatabase Data model preparation to the required Government body specifications.
- Undertaking GIS data analysis & data conversions.
- Creates & Manage a growing GIS database.
- Supervising the Household database survey for the Project area & performing GIS data quality checks including reviewing data provided by outside contractors for completeness & accuracy; identifying and correcting errors or omissions in the data.
- Assisting in the Hydraulic design & validation of water demand of each household property at every nodal points of Hydraulic design of Distribution Pipe Network with Household survey data.
- Preparation of Underground Utility map in GIS platform.
- Preparation of Working drawings of Pipe Network in GIS format.
- Preparation of As built drawings of Pipe Network & georeferencing in GIS Platform.
- Progress Monitoring of pipe laying activity with Creation of ArcGIS Online Web based Mobile application for updating daily progress.
- Need based GIS support as per the requirement.
- Effective communication with Clients & Consultants about GIS requirements as per contracts.

- **Company Name:** *Al Afiah Roads Contracting llc*

- **Position:** **Site Engineer**

- **Projects:**

- **Al Jada Developments**

- Client: ARADA Developments llc

- Consultant: ch2m

- **Construction & maintenance of GRE pipelines at Al Seyouh-4**

- Client & Consultant: Sharjah Electricity & water Authority (SEWA)

- Main Contractor: Gulf Eco Friendly services llc.

- **Job Responsibilities:**

- Prepares periodic reports summarizing progress and look ahead schedule of site activities to the client and consultant.
 - Takeoff quantities from IFC drawings.
 - Preparation of the technical submittals including material submittal, method statement & RFIs.
 - Responsible for the preparation of monthly valuation and certification of the project invoice from Client & consultant.
 - Manages site inspection with consultant & client representatives.
 - Coordinate with main contractor's work schedule and activities.
 - Following up with the procurement team for material specifications and purchasing.
- **Company Name: *Portsaeed Transport and Building contracting llc***
 - **Position: Site Engineer**
 - **Projects:**
 - **Dubai Wholesale city- Grading works**
Client: TECOM Group
Consultant: AECOM
 - **Bulk Earthworks- Al Layan Industrial area, Phase 1**
Client: Al Wasl properties
Consultant: DMF Engineering
 - **Job Responsibilities:**
 - Monitoring and inspection of site activities are being carried out as per contract specification.
 - Prepares periodic reports summarizing progress and look ahead schedule of site activities to the client and consultant.
 - Preparation of the technical submittals including material submittal and method statements.
 - Responsible for following up the Request for Inspection (RFI) responses with the consultant.
 - Manages site inspection with consultant & client representatives.

Memberships

- Society of Engineers - UAE. (Id:50512)
- UAE Driving License. (No: 3765035)

Academic Project Profile

- Evaluation of Mining Related Environmental Impacts of Limestone mining in the Ariyalur area using Remote Sensing (M.Tech.2016)
- Study on the Effect of Geo-Grids on layered soils (B.E. 2014)

Publications

- Sarath Kumar. G and Dr. Nallapa Reddy. A. (2016). **Application of Remote Sensing to assess Environmental impact of Limestone mining in the Ariyalur district of Tamilnadu, India.** *Journal of Geomatics*, Vol.10 No.2, Oct 2016, pp.158-163.

Technical Skill Set

- Expertise on and Arc Map, ArcGIS Online, ArcGIS Pro, Collector for Arc GIS data collection mobile application, Erdas Imagine, Auto Cad, STAAD Pro,

Personal Profile

D.O.B : 18/09/1993
Marital Status : Single
Nationality : Indian
E-mail : sarath_15gsk@rediff.com
Mobile No : +91 9710457290

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and my objective to work in your organization shall be fulfilled if I'm selected.

Your's faithfully,
SARATH KUMAR GUNASEKARAN