# **VENKATESH KUMAR THIRUPPATHI**

## GIS Technician

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| 6/957/6, Karuppasami Nagar, Perali road,  Virudhunagar - 626 001, Tamilnadu, India | Mobile: +91 9442218734 (India)  Email & Skype: [Lntvenkateshkumar@gmail.com](mailto:Lntvenkateshkumar@gmail.com) |
|  | Linkedin: [www.linkedin.com/in/lntvenkateshkumar](http://www.linkedin.com/in/lntvenkateshkumar) |

### **Professional Summary**

Dedicated and hardworking GIS Technician with 9 years of experience in ESRI`s ArcGIS software and Arc FM 10.2., Well experience knowledge for Design, Data editing, Locate and trace the network elements of Electricity, Water and Telecom Networks.

Result oriented, self-driven, highly motivated, smart, and very much enthusiastic to learn new technologies, methodologies, strategies, and processes.

### **Skills**

Skilled ArcGIS, ArcGIS Pro, Arc FM, Arc Catalog, Q-GIS, AutoCAD Map, MapInfo, Global Mapper, Google Earth, Microsoft Office/ Visio.

1. Strong data management skills including creating, editing and converting GIS data.
2. Data collation, analysis and forecasting, Data editing, Data Maintenance and Management.
3. Data Conversion / Migration,
4. Preparation of as-built drawings.
5. Compiles geographic data from a variety of sources including, field observation, satellite image analysis & image processing, aerial photographs, and existing maps.
6. Scans rectify and digitize data; determines methods to analyze spatial relationships,
7. Including adjacency containment and proximity; builds topology, enters data attributes,
8. Checks for errors and verifies accuracy; makes required corrections and edits/refine GIS data as necessary.
9. Updates and builds GIS data; catalogs and maintains data entry and map update procedures; enters data into a database using application of coordinate geometry, keyboard entry of tabular data, manual digitizing of maps, scanning, and conversion of digital data source, including automatic conversion of vectors.
10. Read, understand and develop, manipulate and analyze geographic information in a variety of data formats and projections, including raster and vector data, perform accurate data entry and mathematical calculations.
11. Capable of doing different levels of data quality control (Spatial, attribute, and topology) based on the database model.
12. Excellent skills in using Microsoft Excel, Word, Access / Power Point and Visio.

### **Certifications**

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| **Sl. No** | **Course** | **Institute** | **Completed** |
| 1. | Fundamentals of GIS | Coursera | Sep 2020 |
| 2. | GIS Data Formats, Design and Quality | Coursera | Oct 2020 |

### **Work Experience**

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| 6. | **GIS Technician** | **Electricity and Water Authority,****Kingdom of Bahrain.** | **Dec 2017 – Aug 2020** |

Contractor: Canar Trading Co. W.L.L / Parsan Overseas Pvt. Ltd, Kingdom of Bahrain.

**Responsibilities: -**

* Design, Create, Update, and delete the network elements, connectivity, and attributes for electricity and water.
* Updating the spatial connectivity and updating attribute data as per field survey and electricity and water authority Records.
* Underground Network Distribution Design
* Overhead and Aerial Network Distribution Design
* Locate and trace network elements.
* Geo-reference Maps.
* Convert from CAD to ESRI format for as-built updating.
* Preparation of as-built drawings, Generating and printing network maps.
* Post & reconcile geo-database.
* Perform quality assurance and quality control.
* Coordinate GIS activities with editors and engineers.
* Perform other related tasks as requested by Electricity and water authority engineers.
* Maintain as-built drawings for Electrical, Mechanical, Civil, and Operation Sections.

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| **5.** | **GIS Lead cum Supervisor** | **GIS Consortium India Private Limited, Noida, Uttar Pradesh, India** | **Mar 2017 – Dec 2017** |

Project: Smart City and Property Tax Implementation (Pondicherry, Karaikal, Mahe, Yanam)

**Responsibilities: -**

* Created base maps for giving project area using LiDAR technology and Geo-referencing the same.
* Validate and digitize the data captured from the field survey in the given area, capture all field information.
* Conversion for required formats of all types of digitized data.
* Topology Check, Verified data integrity and accuracy.
* Worked directly with Survey departments, clients, management to achieve on-time delivery.
* Collaborated with clients from concept through final delivery of data.
* Obtained documents, clearances, certificates, and approvals from local administrations.

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| **4.** | **Senior GIS Engineer** | **Sri Saravana Telecom, Chennai,****Tamil Nadu, India** | **Jun 2016 – Feb 2017** |

**Responsibilities: -**

* Fiber Optic Cable Planning, Installation work reports, Knowledge of BOQ, coordinates and supervises all aspects of a project as directed by the vendor, with multiple projects at one time of different sizes and duration.
* Data collation, analysis, and forecasting, Underground Network Distribution Design.
* Overhead and Aerial Network Distribution Design.
* Preparation of As-built drawings in Auto CAD & Preparation of KML file and handing over the same to Field operations team.
* Works closely with other project and Site Managers in development and implementation, documentation practices, and procedures, provides backend support to solve problems encountered.
* Provides routine management reports on technical field operations, performs other related duties as assigned.

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| **3.** | **GIS Engineer** | **Eradin Technologies Private Limited, Chennai, Tamil Nadu, India** | **Sep 2014 – May 2016** |

Project: R-APDRP (Kerala Electricity Board)

Client: ENZEN Pvt. Ltd

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| **2.** | **GIS Engineer** | **Redleaf Technologies Private Limited, Coimbatore, Tamil Nadu, India** | **Sep 2011 – Sep 2014** |

Project: R-APDRP (Tamil Nadu & Pondicherry Electricity Board)

Client: Navayuga InfoTech Pvt. Ltd

**Responsibilities: -**

* Managing the DGPS survey team for mapping the location co-ordinates (Latitude-Longitude) of each of electrical network entities from 66KV/33KV systems, RMUs, DTs, and poles/feeder pillar boxes (over/underground) from which each customer is connected and of towns landmarks using differential global positioning system method.
* Collecting and developing attribute data of each network entity, customers, and mapped landmarks. Creation of a digital map of the complete network through GIS application.
* Creation of base maps using Arc GIS of project area using specified satellite imagery and geo-referencing the same. Preparation of physical areas, based on collected information, digitization of network entities, and landmarks, overlaying of features detailed on the base map with predefined scale for viewing graphically with the aid of suitable GIS application.
* Creation of Single line diagram for Outdoor and Indoor Substation using Arc GIS. Finally, the conversion of the entire substation by using Arc GIS in shapefile format.
* Carry out Customer indexing through door-to-door survey, identifying the code numbers of the customers, source (i.e. pole & phase) of supply to the customer, and develop a customer database.
* Asset code of all assets (DTs, Poles, and Breakers, etc. including LT poles/feeder pillar boxes).
* Delivery and QA/QC head for all network and consumer data.

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| **1.** | **Team Coordinator** | **HCL Info Systems Limited,****Pondicherry, India** | **Apr 2010 – Apr 2011** |

* Assembling, Testing, Repairs of Notebooks & Desktop Pcs.
* Handled day-to-day office operations and resolved any conflicts.
* Assigned various tasks to group members to ensure maximum productivity.
* Responsible for achieving production requirements.
* Planned, scheduled, and delegated daily work.

### **Languages**

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| Tamil (Native proficiency) | English (Working proficiency) | Telugu (Working proficiency) |

### **Education**

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| **Degree** | **University** | **Year** |
| Master of Business Administration (MBA)  Project Management | Alagappa University, Karaikudi,  Tamil Nadu | 2015 — 2017 |
| Bachelor of Computer Application (BCA) | Alagappa University, Karaikudi,  Tamil Nadu | 2011 — 2013 |
| Diploma in Computer Engineering (DCE) | Sivakasi Institute of Printing Technology, Sivakasi, Tamil Nadu | 2007 — 2010 |
| SSLC (10th Standard) | K.V.S Higher Secondary School, Virudhunagar, Tamil Nadu | 2006 — 2007 |

### **Personal Information**

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| Father’s Name : Thiruppathi | Mother’s Name : Selvarani |
| Date of Birth : 26/05/1992 | Age : 28 |
| Gender : Male | Marital Status : Married |
| Religion : Hindu | Nationality : Indian |
| Passport No : L5472406 | Expiry Date : 26/11/2023 |
| Permanent Address: 6/957/6, Karuppasami Nagar, Perali road,  Virudhunagar - 626 001, Tamilnadu, India. | |

### **Declaration**

I hereby declare that the above-mentioned information is correct and complete to the best of my knowledge and I will solely be responsible for any discrepancy found in them.

Date: 16/10/2020

Place: Virudhungar (Venkatesh Kumar Thiruppathi)