Vedamurthy. A
Dubai, UAE.
Mobile No: UAE +971502039811
Email id: avethamoorthy@gmail.com

To,
The Manager

Application for the Post of GIS Analyst

Through this letter I would like to introduce my professional profile and thereby I request you to kindly peruse it and forward your valuable opinion on whether I can find a suitable job in your esteemed organization.

I have 25 years of working experience in U.A.E, Qatar, Saudi Arabia and India as a **GIS Analyst** with BSc Computer Science and MSc Geo informatics Graduate, seeking a successful and rewarding career in the GIS mapping field.

I have a work Experience in **GIS & ArcGIS Portal / ArcGIS Online, Dashboard Creation, GIS Web Creation, Lidar, Remote sensing, Planimetry Data Capture, Photogrammetry, UAV data processing Etc.,**

I involved in the field of **Onshore & Offshore Oil & Gas Pipeline, Water & Wastewater Utility (FS, TSE and SGW), Roads Infrastructure and Drone Projects with GIS Technology from reputed companies in India, U.A.E, Qatar and Saudi Arabia.**

I have excellent skills in **ArcGIS Pro 3.5, AutoCAD, Java Script, Html and CSS.** I trust that my curriculum vitae shall detail you about my background qualifications and working experiences in different locations.

Attached herewith is my curriculum vita for your kind reference.

Thanking you in anticipation and hoping to hear a positive response from you.

Regards,
Vedamurthy. A

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Career Summary

- **Result oriented professional with more than 25 years of working experience in GIS Products for Geo spatial Analysis, UAV data processing, Lidar, Digital Photogrammetry, Image Processing, Remote Sensing, Onshore & Offshore Oil & Gas Survey Pipeline Design & Drafting, Sewerage Networks, Road Infrastructure and Drone Projects.**
- **Managing ArcGIS Portal / ArcGIS Online, Publishing Gis Maps in Arc Gis Online Geo Portal,**
- **Implementation and expert use of the Esri ArcGIS suite of software version 10.8 and Arc Gis Pro 3.5 onward (Desktop, Pro, Online, Enterprise, Portal, mobile apps, ArcSDE/ geodatabase management, etc)**
- **Have a work experience with ESRI Java Script, Html, CSS and including python script writing for GIS.**
- **UAV Mission Planning and DGPS Planning (GCP) of project sites and Collect the Aerial & GCP data of the project site then segregate the data for Processing.**
- Potable Water Transmission & Distribution Network GIS conversion and Submission of GIS-compatible format**.**
- GIS Application/Manipulate data (interfacing) and update to the Server (FS, TSE and SGW) review and interpret maps, manipulate, and analyst/verified the compilation of digital land data to Provide drainage network GIS information/data.
- Preparing Road infrastructure GIS database from As Built, Design and Survey Drawings. GIS data Includes Drainage, Roads, Street Lights and Traffic network details.
- Exposure in Oil & Gas pipelines Project Specifications preparing of Topographical survey, Pipeline crossing session & Elevation details.
- Pipeline route corridor details, Underground services crossing details. And Alignment Sheets of Ground profile and chainage details, Generating Contours and Dem points, Well head details drawings,
- Offshore Bathymetry Survey Drawings, Geophysical Survey (Hydrographic survey) Drawings, Offshore As built Survey Drawings
- Extensive exposure in GIS data conversion for Parcel Mapping, Utility Mapping and Line Mapping creation.
- Experience in using mapping software's such as ESRI ArcGIS and Bentley MicroStation and Auto cad and other Mapping software's.
- Preparing 3D vector maps from 3D (Lidar) LiDAR Point Cloud Extraction.
- Knowledge of Digital image processing of Aerial photos and Satellite images. Digital and Visual interpretation of the same for feature identification and extraction.
- Proven track record of understanding and developing procedures, QC standards and operational Planning for Photogrammetry, GIS, and Mapping projects.
- Excellent Written, Communication and Interpersonal skills with the ability to work in multicultural and multidisciplinary work environment.
- 25 Years of Working Experience in U.A.E, Qatar, Saudi Arabia, and India.

Technical Skills:

GIS Software	: Esri ArcGIS suite (Desktop, Pro, Online, Enterprise, Portal, mobile apps, ArcSDE/Geodatabase management), Arc GIS 10.8, Arc GIS Pro 3.5 (Arc Map, Arc Catalog, Arc Scene, Arc Toolbox, Image Server), ArcView3X, Arc/Info, Arc FM, Arc Objects, MapInfo, Arc GIS Collector, GIS Field survey, QGis, QField Survey.
BIM & Cad Software	: Rivet Architecture, Microstation-V8i, Auto Cad Map 2021 – 2D & 3D, 12D Model,

Drone Software	: **Pix4DMapper, Agisoft Metashape,**
Programming software	: **Python 11.2, Express Js, Node Js, React Js, JavaScript, Bootstrap, Json, Xml.**
AI	: **ChatGPT(Open – AI), Deepseek,**
RDBMS	: **SQL Server, Postgre SQL, Oracle, Mongodb**
DBMS	: **Enterprises Geo Database, Mdb, Fgdb**
Image Processing Software	: **Icomp (Auto Sync, Image Equalizer), Ortho Vista, Prompt Server,**
Surveying	: **Leica Viva CS10 to CS15 GPS,**
Others	: **Photoshop, MS-Office (Word, Excel, Power Point),**
O/S	: **MS-Dos, Windows 10 & 11.**

Employment Details

Serco Middle East – Dubai, UAE – (1 Year)
Duration: 26th December 2023 to 30th April 2025 worked as a GIS Analyst
Responsibilities:

- ArcGIS Portal / ArcGIS Online, Publishing Gis Maps in Online Geo Portal,
- Creating and Configuring Web GIS, GIS Apps, ArcGIS Pro software (Esri products)
- Implementation and expert use of the Esri Arc GIS suite of software version 10.8 and Arc Gis Pro 3.4 onward (Desktop, Pro, Online, Enterprise, Portal, mobile apps, Arc SDE/Geo database management, etc)
- Have a work experience with ESRI Java Script, Html, CSS and including python script writing for GIS.
- Creates, modifies, and maintains the utility assets in GIS, from approved site plan to as-built record drawing delivery.
- Processes field change requests to improve the integrity of the GIS data, ensuring spatial and attribute accuracy.
- preparation of Landscape and Irrigation checklists, and Implementation of GIS workflows,
- Georeferencing, Digitization, Data updates, Data conversion,
- Data mining, QA/QC activities, and Database maintenance.
- Develops, supports, and maintains GIS data and data management workflows.
- Compile and organize geospatial data from various sources, including satellite imagery, GPS, surveys and RCJY Sectors & Departments
- Develop and design maps and visualizations for presentations, reports, and decision-making purposes.
- Proficiency in GIS software and tools and up to date with the latest advancements in GIS technology.
- Data quality and integrity of spatial data through validation and data cleaning processes.
- Creates and maintains documentation of procedures utilized to complete projects.

Ashghal – DNPD - Dorsch Gruppe – Doha, Qatar
Duration: 1st May 2018 to 25th December 2023, worked as a GIS Specialist - (5 Years & 8 Months)
Responsibilities:

- ArcGIS Portal / ArcGIS Online, Publishing Gis Maps in Online Geo Portal,
- Creating and Configuring Web GIS, GIS Apps, ArcGIS Pro software (Esri products)
- Implementation and expert use of the Esri Arc GIS suite of software version 10.8 and Arc Gis Pro 3.4 onward (Desktop, Pro, Online, Enterprise, Portal, mobile apps, Arc SDE/Geo database management, etc)
- Have a work experience with ESRI Java Script, Html, CSS and including python script writing for GIS.
- Data sheets conversion to the GIS format and compare with as built and Third-Party Survey Drawings.
- QC Check the Third-Party Survey Report criteria or meets the requirements of the Ashghal Standards,
- Compare and check the Flow Direction & Invert Levels are matching with Data Sheet, As-Built drawings & Third-Party Survey Drawings.
- Ensure that the Standards & Specifications are matching with Ashghal Standards.
- Coordination with DNOM Professionals for feedbacks or Approvals.

- Participate in meeting and discussion to resolve the project GIS coordination discrepancies as per the QCS code, Relevant Standard, Project/design requirement etc.,
- Implementation of GIS system requirements in the Projects of Ashghal Standards, Quality Procedure, Policy, and Objectives,
- Preparing GIS project documents of Project Letter and GIS project plan, procedures, As-Built site work, Inspection check, review & verified survey report,
- Review and interpret maps manipulate and analyst or verify the compilation of digital land data prior to update into GIS Database
- Carry out joint inspection at site with contractor as per the Ashghal Standards,
- Preparing GIS report such as snags reports, final reports etc.,
- Coordinate with contractor on snags & rectification work to suit the GIS needs/requirement for the As-Built records and updating data according to the Ashghal Standards.

Eng Group, Sharjah- UAE.
Duration: 1st May 2016 to 30th April 2018 worked as a CAD GIS Engineer. – (2) Years
Responsibilities:

- Meeting with users to define data needs, project requirements, and required outputs to develop applications.
- Preparing Road infrastructure GIS database from As Built, Design and Survey Drawings. GIS data Includes Drainage, Roads, Street Lights and Traffic network details.
- Checking Cross section drawings like roads, bridges, pipe culverts, drain and CD works and Construction Embankment slope and Culverts, according to the GCC, Oman & Dubai Procedure.
- Preparing a Block for Direction Sign Board (Increasing /Decreasing), Chainage and RHS/LHS Direction, Checking QC for Survey Data (Polylines, Polygon & Points)
- Checking QC for Polylines, Run Topology and fix the error in Gis.
- Capturing Streetlight point feature on the Highway Median
- Checking the Carriage way, Verge, Left/Right shoulder, Median, centerline, RHS, LHS, Kerb Stone, Embankment, Carriageway, Road Lines, Road Level, Street Light Feeder Pillar, Street Light Cable, Street Light Duct, Street Light Pole, Road Marking Lines, Road Marking Polygon, following Dubai, Oman and GCC Manual.
- Traffic and safety control box, Detector Loop, Inspection Chamber, Signal Duct, Studs, Traffic Bollard, Traffic Sign, Traffic Signal Pole and Directional Sign.
- Analyze spatial data for geographic statistics to incorporate into documents and reports.
- Design and update database, applying additional knowledge of spatial feature representations.
- Enter new map data through use of a digitizer or by direct input of coordinate information using the principles of cartography including coordinate systems, longitude, latitude, elevation, topography, map scales.
- Analyze geographic relationships among varying types of data.
- Prepare metadata and other documentation.

RS GEOINFORMATICS SOLUTIONS PVT. LTD., Hyderabad - India
Duration: 1st Mar 2011 to 30thApril 2016 worked as a Cad & Gis Engineer – (5 Years)
Responsibilities:
Arc Gis (Arc Map, Arc Catalog, Arc, Tool Box)
Projection and Transformations
- Assigning the Projection System relevant to region,
- Geo referencing the given data with Geo referencing tools in ARC GIS
Data Editing and Compilation
- Digitization the data with reference to the raster, scanned images etc.,
- Editing the GIS data and adding & manipulating the Attribute data towards the requirements. Geo- Computations
- Working with Spread sheet (xls) by connection with Geodatabase through the joining the table tool existing in Arc GIS
- Data analysis and thematic map preparations
Handling Vector data and analysis
- Creating Buffer and Multi Ring Buffer using built in tools and speciation.

- Vector Data clipping and Raster data clipping
- Dissolve, Merge, Joint, Clipping, Union, Geo coding, Domain,
- Different methods of Labeling
- Changing the Visible of Labels (Layer based Visibility, Scale based Visibility, Layer based placement visibility, Placement Labels for Line, Polygon Placement Visibility.
- Creating Annotation,
- Symbology (Thematic map preparation)
- Select and Analysis the Data by Definition Query
- Selection by Attributes,
- Selection by Location.

Thematic map preparation
- Design the Map Layout (Legend, Scale Factor, Headlines and North Arrow)
- Performing Surface Analysis (Creation of Mosaic, Clipping, Hill shade, Slope, Contour, Dem, Water Flow Direction, Water Accumulation)
- Conversion of the Contour to Kml file

Auto Cad
- Creation of different layers depend on the character,
- Digitization the data's
- Find out & correct the errors in the layer,
- Process the Topology Cleanup,
- Export the auto cad layer file as Esri Shape file,

Run Topology in Arc Map
- Import Cad Layer file as a shape file in Arc Map,
- Run the Topology Cleanup,
- Find out the topology error and edit,

Lidar
- Capturing 3DLaser Point Cloud data using AutoCAD Civil 3D 2015.
- Preparing 3D vector maps from a 3D Laser Point Cloud data using AutoCAD Civil 3D 2015 and MicroStationV8.1.
- Address the data quality assurance and quality control with the surveying teams in order to improve the geospatial data quality before, during and after Vectorization.
- Set up the necessary quality control procedure and all the necessary check and balances to ensure the data quality meets project specifications.

UAV data processing
- UAV Mission Planning and DGPS Planning (GCP) of project sites.
- Collect the Aerial & GCP data of the project site then segregate the data for Processing.
- Creating 2D & 3D Maps using Photogrammetry software and producing required outputs of the project site (DEM, DTM, Ortho Map).
- Analyzing spatial data through using the GIS software like ArcGIS, QGIS.
- Designing digital maps with geographic data and other sources.
- Preparing Topography maps based on the drone survey.
- Developed, tested and implemented the Quality Assurance (QA) and Quality Control (QC) Process to ensure GIS data accuracy and Integrity.
- Good Knowledge in Utility attributes and Land Use / Land Cover e.g., Manhole, Street lights, Zebra Cross, Roads EB, etc.
- Producing reports on geographic data utilizing data visualizations.
- Managing digital library of geographic maps in various file formats.

Fugro Maps, Sharjah – U.A.E
Duration: 1st Sep 1999 to 15th Jan 2011 worked as Gis Photogrammetric Technician
- **(11 ½ Years)**
Responsibilities:

- Processing of Arial & Satellite Images – Image Enhancement, Geo-referencing, Mosaicking, Structured and maintained GIS data in compliance with engineering and project library standards.
- Worked with discipline engineers to integrate survey data into corporate GIS systems.
- Managed reserved plots and updated project areas based on design modifications.
- Conducted spatial analysis and mapping for engineering projects.

- Supervised GIS data entry and validation to ensure data integrity and accuracy.
- Administer GIS data validation, structuring, and compliance with oil & gas standards.
- Support engineering design teams by updating and maintaining project and as-built data in GIS.
- Assist in the development of a GIS Content Management System for engineering data.
- Prepared topographical survey specifications for oil and gas pipeline projects, ensuring adherence to standards and minimizing environmental risks. And Conducted pipeline crossing analysis, detailing elevation profiles and route corridors to avoid clashes with existing infrastructure.
- Developed pipeline alignment sheets with ground profiles, chainage details, and DEM points 12D Model, achieving vertical accuracy for route optimization. And Mapped underground utility crossings using GPR survey data, mitigating excavation risks during pipeline installation.
- Produced wellhead detail drawings and offshore as-built survey plans, validating coordinates standards for client handover. And Executed QA/QC protocols for final deliverables, resolving discrepancies in contour maps and spatial datasets to ensure 100% compliance with project requirements.
- Implement HSE policies related to GIS data handling and incident reporting.

Odyssey Computers, Pattukkottai, Tamil Nadu, India
Duration: 1st June 1994 – 31st July 1999 worked as a Programming Faculty – (5 Years)
Responsibilities:
- Teach the programming Languages & Microsoft Products
- Visual Basic 5,
- Ms_Office (Ms_Word, Excel, Power Point)

Major Projects:
- Establishment of an Asset Management & Operational Baseline project for Royal Commission Jubail, Kingdom of Saudi Arabia
- RCJ EAMS Data Mapping of GIS Urban Planning Dept project for Royal Commission Jubail, Kingdom of Saudi Arabia (PARCEL MAPPING PROJECT)
- Project - C851/4 FPS - Design & Build FIFA Readiness Project 4 –Surface Ground Water & Foul Sewer Network at Al Sadd and Al Nasr
- Doha and Rayyan Sewerage Scheme Miscellaneous House connection works
- Demolition and Utilities works "A" Ring Road
- Construction of south site wide infrastructure & Ec Landscaping works package Qatar Foundation
- Topographical mapping and Geodatabase (GDB) creation – Centre for GIS, Qatar
- Riyadh Metro Railway - BACSTopo, Riyadh Metro Project, Kingdom of Saudi Arabia
- Merowe irrigation project – Republic of Sudan
- Unified Digital Map - *460000*Km2 – The presidential office, Republic of Yemen
- Unified Digital Map - The National Consulting bureau of Libya
- Digital Elevation Model and Ortho map – Yanbu, (RGME) Rashid Geotechnical & Material, KSA
- Digital ortho & Topographical mapping –Survey and Land Registration Bureau (SLRB) Bahrain
- Digital Elevation Model and Ortho photo for LPIS – Republic of Estonia
- Union Railway - Abu Dhabi Municipality
- Metro Railway - Abu Dhabi Municipality
- Country Base Map for U.A.E - Military Survey Department (MSD), Abu Dhabi, UAE
- Dualization Of Bid Bid - Sur Road - Ministry of Transport and Communications, Sultanate of Oman
- Baitinah Express Way - Ministry of Transport and Communications, Sultanate of Oman
- ADCO / TR-Engineering& CCC (SHAH / SAHIL) Field development
- Petrofac International ltd. (EPC for ASAB FFD Project-ADCO). ASAB to SAHIL & SAHA Full fields development project survey control verification
- International Bechtel Co. Ltd., GASCO OGD-III & AGD-II Project, Topographic & Soil Asab, Bab, Buhasa ruwais modification project
- Bida al Qemzan Field development project. Well site topographical survey.
- GASCO 12" NGL Habshan-Bab, 30" OAG Pipeline, NPCC, Abu Dhabi

Educational Qualifications

MSc, Geo-informatics (Pursuing), Annamalai University, Chidambaram, Tamil Nadu, India
Specialization: Earth Science, Arial Photography & Photogrammetry, Earth Resources & Environmental Hazards, Satellite Remote Sensing, Digital Image Processing, Cartography, Remote Sensing, (GIS) Geographical Information System, Surveying and GPS.

BSC, Computer Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India

Diploma in Remote Sensing & GIS Technology, Bharat Sevak Samaj, New Delhi India

Workshops and Training
1. **Diploma in Advanced Auto Cad from Cad Centre in Pattukkottai, Tamil Nadu**
2. **Microsoft Visual Studio Dot Net – including (C#, Asp.Net, ADO.Net, Silver light And Ajax) Training from Accord Info Matrix Institute in Chennai, Tamil Nadu**
3. **Certificate course for Python Programming from Livewire in Pattukkottai, Tamil Nadu**
4. **Certificate course for BIM (Rivet Architecture) Cad Centre in Pattukkottai, Tamil Nadu**
5. **Java script Arcgis Web Map Application Developer Course from Ezeal Tech, Bangalore, India,**
6. **Arcpy Python Api Developer Course from Ezeal Tech Bangalore, Karnataka, India**
7. **Higher Grade certificate in English type writing from technical education, Tamil Nadu**

Personal Details
1. Name   : A. VEDAMURTHY
2. Date of Birth   : 26th December 1969.
3. Nationality   : Indian
4. Sex   : Male
5. Marital Status   : Married
6. Language Capability   : English, Hindi, Tamil, Malayalam & Some of Arabic
7. **Having valid UAE driving license from Sharjah – U.A.E.**
8. **Having valid Qatar driving license from Doha - Qatar.**

DECLARATION
I hereby certify that the foregoing information is correct to the best of my knowledge and belief. I have not suppressed any material or information in the above statement.

Place: Dubai, UAE.
Date: 24.06.2025   **(A. VEDAMURTHY)**