**SUDHARSHAN VARMA KODI**

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**GIS ENGINEER**

*Looking forward to challenging assignments across Gis Field.*

**SUMMARY**

An industrious and diligent professional with more than 4 year of experience in the field of Geo- Spatial engineering. Has hands-on experience in handling Transportation Designs, Gis Projects, and Remote sensing Highly skilled at managing the project, and capable to efficiently handle matters related to project coordination and proficient in skills. Adept at inspecting & analyzing the proposed project and ensuring that the works are carried out to specific standards. Has excellent ability to formulate the construction methodology with micro-level planning & executing the project towards successful completion.

**KEY SKILLS**

* GIS, Photogrammetry, Remote sensing, Lidar & Map Making Skill
* Report & Documents Preparation
* Material & Machinery Arrangement
* Staff & Worker Management
* AutoCAD Knowledge
* Site Visit & Inspection
* Quality Control Management
* Health & Safety Management
* Analytical & Managerial Skills
* Good Interpersonal Skills
* Project Management and Target based Project Evolution.
* Basic Six sigma Knowledge & Micro level research analysis
* Ability to multi-task in fast paced dynamic environment.

**PROFESSIONAL EXPERIENCE**

* Working as Senior Process executive in Infosys ( Leading a team of 5 Junior associates ).
* Worked as Business Process Associate in Accenture ( Leading a Team of 15 New Business Associates in DSATP )
* Worked as GIS Engineer in E smart Innovations (Hyderabad).( presently in the name of Shambu Solutions )
* Worked as Research & Development Engineer in SKYFI labs and as a R&D Engineer we came across all the fields of Engineering
* Internship & Project on 85 MLD Water Treatment Plant at Aganampudi, project under GVMC & Central Govt. of India, as water supply project
* Worked as an Intern (Site Engineer) in Sai Township (Greated Community- Bhimavaram) in 2012 (8 Months)
* Responsible in handling designs of Multi level projects civil simplified
* Experience in handling Transportation Designs, Tall Structures, Seismic Resistant Structures, Gis Projects, and Foundation Designs.
* Worked as Guest lecture in Indian Institute of Technology, Madras and Indian Institute of Technology Benaras, and Indian Top-50 universities and Deemed universities.

**PROJECT EXPERIENCE**

**Research** **& Development**

**Overview:** As a R&D I secured strong skills in formulating and developing technologies and structuring projects and its management with micro level analysis. Worked on Pilot project for Driverless car and parameters influence the smooth functioning of car and Implementing measures and improving functionality of Project by customizing the Parameters and Object oriented studies .

**Design Experience**

Client Specific ( Worked on Driverless Car and its influences related to Design Restrictions , Speed Calibrations, Live project study on different parameters and Maneuvers Based Restrictions with respect to Fore sight and Back sight calibrations, Automating of Object oriented Studies and flaw less analysis ) Survey data management

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**GIS Projects**

**Overview:** As a Gis Engineer, I secured sufficient knowledge in Gis, Preparing maps and Quality Auditing of Maps , Lidar Imagery, Aerial Imagery, local survey, Navigation Mapping, Transition Mapping, Advanced Editing & Reporting, Feature collection, Aerial survey, Raster mapping, propagating it to Google Earth, Geo skills, Routing skills, Addresses Skills, Data verification skills, Evaluation skills, survey data management , cartography carts , image processing.

**Projects**

* Building world class Map in Accenture
* Building Apple Inc Maps
* Cartographer at Tom Tom Maps.
* Mapping to Local Clients using GIS & Total Station, Smart Civil.

**Role:** Associate, Gis Engineer

**Worked on** : Geometry , Road Network, Road layout, Road class, Directionality, Turn Restrictions, Routing, Sign Boards, Physical spaces, Building Foot prints, Addresses, Lanes & Lane Connectivity, Ground Truth, Speed, Routing, Navigation, Report Map issue. Point Of Interest, RAP, RAC, POC, Buildings, Addressing, 3D and vector Mapping .

**Software:** Quantum – GIS, ARC-GIS, Client Specific Software’s.

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**Transportation Projects**

**Overview:** As a Transportation Engineer, I secured a splendid knowledge in design, construction, maintenance of transportation systems and geotechnical investigations related to roads, traffic management, network design, signal design.

**Design Experience:** Round About, 4 Lanes, Diamond Crossings

**Traffic Management**

* Solving Intersection Related Problems
* Designing Signal System
* Network Formulation

**Role:** Design Engineer / Project Engineer

**Software:** PTV Vissim, PTV Viswalk. IES v16.

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**Quality Control Projects**

**Overview:** As part of my Quality Auditing & Quality Control, Secured good knowledge on quality checking in MDB and Micro level anlysis for flaws and create respective measures to reduce the flaws .

**Design Experience:** Working with Quality Tools , JSon Query knowledge

**PRESENTATIONS & PAPER SUBMISSIONS**

* Participated & secured First prize at TECHION 12 , National Level Technical Symposium , Conducted by Sri Vasavi Institute of Engineering & Technology
* Stood First at VEDANSHI- 2K12, National Level Technical Symposium, Paper presentation, Conducted by D.N.R. college ESTD.1945
* Stood First at VEDANSHI - 2k12, National Technical symposium, Quiz, Conducted by D.N.R. College ESTD. 1945
* Stood First at VALIANT - 2k12, National Technical Symposium, Paper Presentation, conducted by Vishnu Institute of Technology, Bhimavaram
* Participated in National Workshop on Applications of Arc Gis, at RACE, conducted by K.L. University, Vijayawada
* Partcipated in National Students Conference (Recent Advancements in civil Engineering) August 25, 2012, on Gis, rs, gps advancements in civil engineering & adaptability of fuzzy logic application in Three Gorges Bridge, Chain

**EDUCATIONAL QUALIFICATION**

* Bachelor of Technology (B.Tech) in Civil Engineering from A.K.R.G. College of Engineering & Technology in 2014

**IT SKILLS**

* **Software:** R- PHYTON ,Auto Cad 2010, Stad Pro-v8i, Total Station, Hy-8, Sap, Safe, PTV Vissim, GIS, Spw, Oasys, E-Tabs, Primavera, Micro Station, MSP, Mongo DB , MSQL .
* **Programming Languages:** C, C++
* **Platforms:** Windows (XP, 7, Vista, 8,10)

**EXTRA-CURRICULAR ACTIVITIES**

* AIEEE & ISAT (Indian Institute of Space Research Organization) Qualified
* Certified STAD PRO & AutoCAD from IGIAT (Indo German Institute of Advanced Technology)

**PERSONAL DETAILS**

* **Date of Birth :** May 25, 1993
* **Languages Known :** English and Hindi

**REFERENCES**

* Dr. Illa. Ramakanth (Phd - Iitm), Professor in Chemistry, Email Id: illaramakanth@iitm.in