**MANINDAR PANDIRI**

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| --- | --- | --- |
| * **GIS** * **Data Management/Modeling** | * **Remote Sensing** * **Image Interpretation** | * **Mapping** * **People/Team Management** |
| * **Analytical & Problem Solving** | * **Image Processing** | * **Program/Project Management** |

**EXECUTIVE SUMMARY**

A dedicated & hard working professional with approximately 6 years of experience in data base creation, image interpretation, digitalization, mapping, topology creation, and multi criteria modeling in GIS. I can work individually and as team member also. I am ready to work any part of the world.

**SKILLS**

**Functional**

* Mapping of Geological information/Structure/Geomorphology/3D Model studying information collected by remote sensing and GIS.
* Identification of sites for different recharge structures for ground water sustainability and for the Municipal solid waste disposal.

**Technical**

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| **GIS Software** | : | Arc GIS (Arc-Catalog, Map, Info, Scene,…), QGIS |
| **Remote Sensing Software** | : | ERDAS, ENVI, DGPS, Total station, E-Cognition, Geomatica |
| **Operating Systems** | : | Windows XP, 2007, 2010, Windows 8.1 |
| **Packages** | : | MS-Office |

**EDUCATION**

2011 :- Master of Science (Geospatial Science) from Jawaharlal Nehru Technological University, Hyderabad

2009 :- Bachelor of Science (Chemistry) from Nizam College, Osmania University, Hyderabad

2006 :- Intermediate from Triveni Junior College Suryapeta, Nalgonda

2004 :- Schooling from Andhra Pradesh Residential School (BC Boys), Nagarjunasagar, Nalgonda, India

**CAREER PATH – CONTRIBUTIONS**

**Research Fellow (JRF&SRF) Nov`2013-Nov’2018**

**National Remote Sensing Centre (NRSC-ISRO), Balanagar, Hyderabad**

Involved in various projects:

* Village Level Sustainable Ground Water Prospects Mapping on 1:10,000 scale using field and Remote Sensing Data
* Recharge structures site suitability analysis to improve ground water in different states of India.
* Processing of High Resolution data (Kompsat) for Bhuvan’s ortho image mosaic generation. During course of work I did bundle block adjustment, image correlation, Ortho-image generation, NCC processing and mosaicking of large data sets (~300 scenes).
* Dug well site suitability analysis for semi-arid areas to improve agriculture in India.
* Rajiv Gandhi National Drinking Water Mission (RGNDWM): **Ground Water Prospects** and **Quality mapping** using Remote Sensing & Geographic Information System on 1:50000 scale.
* Site suitability analysis for solid waste disposal. Case study done for Visakhapatnam, Bengaluru, Ooty and Shillong cities.
* Seasonal Land slide Inventory Mapping (SLIM) project: land slide mapping for 2014 post monsoon season using object based image processing methods.

**Trainee GIS**  **Jul, 2012-May, 2013**

**Genesys International Corporation Limited, Begumpet, Hyderabad**

* Modifying the property area of existing Area of Interest (AOI)s using existing authenticated maps form authorized sites and satellite images
* Identification of exact location of Point of Interest(POI)s like schools, banks, hospitals, parks, community halls, universities, government offices and religious centers using address from official web sites.

**Project Work: Feb- Oct'2011**

**National Remote Sensing Centre (ISRO) Balanagar, Hyderabad**

* Assessing the role of fuel moisture content in **forest fire occurrence & fire behavior** over Nallamala Forest region, India.(Title)
* Analyzed forest fire density with respect to forest type and studied forest fire occurrences (Intra & Inter annually) in Nallamalla forest during 2003-2011.
* During project work also involved in departmental activity *INFFRAS* active fire alert system. Main goal of this program is "to dispatch the fire alerts (fire location information) to nodal offices within 1 hour after MODIS satellite over pass".

**OTHER HIGHLIGHTS**

**TRAININGS & WORKSHOPS**

* Participated in one day workshop on "Feasibility study of water grid" in National Remote Sensing Center.
* Collected GPS point locations KPHB colony, Hyderabad and Suryapet, Nalgonda district for commercial complexes, hospitals, schools, colleges, hotels and government offices during MSc summer break.

**RESEARCH/CONFERENCE PAPERS**

* Saha, Rajarshi, Praveen Kumar, G., **Pandiri, Manindar**, Das, Iswar Chandra, Rao, P.N., Reddy, KSN and Vinod Kumar K (2018) “Knowledge guided integrated geo-hydrological, geo-mathematical and GIS based groundwater draft estimation modelling in Budhan Pochampalli watershed, Nalgonda district, Telangana state, India.” e-Journal *Earth Science India*, v. 11, pp. 216-231.
* **Manindar Pandiri**, I C Das, C S Jha, P V V Prasada Rao, Vinod Kumar (2017) “Identification of solid waste disposal site using multi-criteria decision analysis: a case study of Visakhapatnam, Andhra Pradesh.” Proceedings of ICEM 2017: *3rd International Conference on Environmental Management 2017 (Nov 27th – 30th, 2017)*
* **Manindar Pandiri**, Das, I.C., P V V Prasada Rao, C S Jha, Vinod Kumar, Rao P V N and Dadhwal, V.K. (2018) “Site suitability analysis for solid waste disposal using RS and GIS – a comparison of knowledge guided Fuzzy, Index overlay and AHP models.” *Indian Geographical Society* .

**Declaration:**

I hereby certify that all the above information is correct to the best of my knowledge and belief.

**(MANINDAR PANDIRI)**