

Swetha Udaru,

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OBJECTIVE: To continue my career in geospatial analysis emphasizing the applied use of data science, statistical models and environmental science to optimize the use of corporate and natural resources

EDUCATION

Water and Environmental Technology, Jawaharlal Nehru technological University, Hyderabad, India. March-2017

- Obtained First Class with Distinction

Electrical and Electronics Engineering Bachelor's Degree, JNTU University, Hyderabad, India. May-2014

- Obtained First Class with Distinction

SKILLS SET

- Map and interpret surface geology features using GIS
- Groundwater well drilling, testing and groundwater sampling databases, assessing and QA/QC checks of water quality data
- Familiar with Arc GIS, Arc Objects, Erdas and Auto-Cad.
- Familiar Aquifer testing slug tests and pump tests
- Experience in analytical instruments such as Well logger, water level indicators and GPR.
- Evaluation of soil and groundwater chemistry
- Extensive experience in use of hand and power tools
- Strong technical, oral, and written communication skills
- Ability to work independently in various environments when required

COMPUTER SKILLS

- Proficient in Windows operating system
- Generate reports and presentations with Microsoft Word, Excel and PowerPoint
- Internet surfing and journal browsing

RELATED EXPERIENCE

GEOSYS ENTERPRISE SOLUTIONS PVT. LTD. India.

GIS Analyst

March 2017- Dec 2017

Worked in developing custom tools, toolbar, menu and extensions using platform Visual studio.

- Data processing and Analysing using ArcGis10.2.2 and MS Office.
- integrating CAD data with GIS data
- Experience in Conducting Spatial Analysis, Creating Maps and editing shapefiles
- Calculated the percentage change of population in GHMC areas and maintained the metadata information.
- Digitizing and population of Geodatabase Metadata fields

- Experience in converting data from other formats and responsible for GIS edits
- Finding features using Spatial relationships
- Query features using logical expressions

National Geographic Research Institute, UPPAL,India

Geologist In Trainee

Nov 2015 - Feb 2017

- Data collection using various downhole Geophysical logging tools
- Data processing and analysing, report preparation and presentation
- Delineated the fractured zones and boundaries between different layers by using ABEM SAS 300 Well Logger.
- Digitization and creation of map using Arcmap 10.2 and fence diagram was developed for the existing borewells
- Calculated fractured zones and boundaries of various litho units by plotting graphs in Autocad
- Identified the deeper fractured Zones within the area which are helped for the construction of new rain water harvesting structures
- conducted various pumping tests
- Collection and analysing the data using GPR(Ground Penetrating Radar)
- The water quality parameters were calculated for different filters used in rainwater recharge harvesting structures and are tested for filtration rates for five years of rainfall.

CYIENT LIMITED

GIS Developer

JULY 2014 - Oct 2015

- Collection and Analysing the data using Erdas Imagine software
- Creation of Land Use/Land Cover maps from Satellite data using RS and GIS
- The changes in the crop land areas are investigated and classified.
- Development and calibration of SWAT model which predict the hydrological changes and their impact on agriculture.
- Digitization and Analyzing using ArcMap 10.2.2 and Erdas

CERTIFICATIONS

- Geographical information system Nov 2017
 - ArcGis Desktop 10.2.2
 - Arc Objects
- Workplace Hazardous Material Information System (WHMIS) Feb 2018

REFERENCES

*Available upon request