Chinna Subbaraya Siddharth (Sid) Ramavajjala

904 D, Eagle heights, Madison, WI, 53705 | (608)-358-2581 | ramavajjala@wisc.edu

Links: Portfolio in

EDUCATION

University of Wisconsin - Madison | MS in GIS & Cartography   *Jan 22 - Dec 23 (CGPA: 4.00/4.00)*
Courses: *Geographic Information Systems (GIS), Cartography, Geocomputing, Advanced Spatial Analysis, Graphic Design in Cartography, Advanced Geocomputing Geospatial Big Data Analytics*, Interactive Cartography & Geovisualization**

Vignan's University, Guntur | BTech in Engineering   *Jul 15 - Aug 19 (CGPA: 9.71/10)*
Major: Geology, Statistics, Healthy Safety and Environment (HSE), Minor: Management Studies

TECHNICAL SKILLS

Software & Programming: ArcGIS Pro, ArcMap, QGIS, Google Earth Pro, MapBox, Python (*ArcPy, GDAL, OGR, Geopandas*), HTML, CSS, Bootstrap, JavaScript (*D3, Leaflet*), Machine Learning(*ANN*).
Tools: ArcGIS Online (AGOL), Git & Github, NeuraMap, NeuraLog, Petrel, Advanced Excel, ArcGIS Story Maps, Adobe illustrator (Ai) for Maps (Design).
Spatial Analysis: Point Pattern Analysis, Digital Terrain Analysis, Semivariogram Kriging, Georeferencing & Geocoding

WORK EXPERIENCE

Graduate Project Assistant (GIS) - Wisconsin Sea Grant, Aquatic Sciences Center   *Feb 23 - present*
- Working with geospatial technologies and web map development for Great lakes at University of Wisconsin.

Teaching Assistant (GIS), University of Wisconsin-Madison   *Sept 22 - Dec 22*
- Taught the lab component for Geog 377 Introduction to GIS using ArcGIS Pro under Prof. A-Xing Zhu.

Intern GIS Analyst, UW-Madison Brown County Extension   *May 22 - Sept 22*
- Created ArcGIS online (AGOL) web app, map viewer for community gardens and performed spatial analysis. Access Report. Gathered and organized data on food sources in the counties of Brown, Door, Kewaunee, and Manitowoc. Created a data product for the public using **GoogleMyMaps**
- Provided a Google Sheets solution for non-GIS users with easy updates. Conducted food desert analysis using socio-demographic data and network analysis, following USDA standards, resulting in an **ArcGIS StoryMap**

GIS Database Assistant, Wisconsin Geological and Natural History Survey (WGNHS)   *April 22 - Sept 22*
- Performed spatial database editing and attribute table updation for southwestern Wisconsin counties using legacy raster maps and synchronized Lead and Zinc mines for U.S.G.S Mineral Development Atlas.

Geodata Analyst, Larsen and Toubro Infotech (LTI), Mumbai, India   *Jan 19 - Jan 21*
- Worked on metadata extraction and advanced processing of geodata: *Seismic, Well log, Maps, Reports* using *NeuraMap, Neuralog* for Exxon Mobil (US). Performed geo-tagging and data digitization using QGIS and SQL.
- Improved data processing quality through the implementation of a keywords-based error mitigation mechanism. Developed quality assurance and quality control methods by creating excel-based tools. Provided an enterprise-level solution

PROFESSIONAL PROJECTS

Landuse and Landcover Analysis - Geosys Enterprise Solutions, Hyderabad
- Data preparation, data analysis, data identification from satellite imagery data for municipal solid waste disposal facility construction.

Digitization of Subsurface Data - Larsen & Toubro Infotech, Mumbai
- Developed several quality control methods for vintage seismic survey maps, well logs extracting metadata, navigation data, creating shapefiles, and polygon boundaries. Access Report

MAPS

- Detailed Map of Mars | Interactive Proportional Map | How healthy is Wisconsin? | Political Map of Africa | Indus Valley Civilization | MapBox Scrolly Map | Vision Zero Road deaths

ACHIEVEMENTS & PUBLICATIONS

- Cartographic Design from ESRI, Data Analysis using Python from IBM , Certified GIS Data developer from Geosys Enterprises (ESRI Bronze Partner), Environment, Health & Safety from IIT Madras.
- Published Environmental Sustainability of Drilling fluids in IIT-ISM Dhanbad conference indexed by Elsevier 2022.
- Received gold medal for academic excellence and best outgoing student for overall contribution in Vignan's University.