Ramakrishna Raju Gangaraju

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Links: LinkedIn   Portfolio Website

OBJECTIVE

Looking for full-time/Summer internships/Co-ops positions in Geospatial domains - GIS Analyst, GIS Engineer and Spatial data Engineer roles.

EDUCATION

University of Wisconsin - Madison | MS in GIS & Cartography   *Jan 22 - Aug 23 (CGPA: 3.6/4)*
Courses: *Geographic Information Systems(GIS) & Spatial analysis, Graphic Design Cartography, Advanced Geocomputing Geospatial Big data analytics, Interactive GeoVisualization*

Vignan's University | B.TECH (Major: Mechanical, Minor: IT)   *July 15 - June 19(CGPA: 7.4/10)*
Courses: *Automobile Engineering, Manufacturing Process, Operation Research, Database Systems, Operation Systems, Problem-solving and Programming*

TECHNICAL SKILLS

GIS Tools: ESRI ArcGIS Pro, ArcGIS Desktop, Google Earth Pro, QGIS, OSM, AutoCAD
- To generate, edit and store data for spatial analysis to understand patterns in order to develop spatial solutions

Software Languages: Python, SQL, HTML, CSS, JavaScript, D3, Leaflet
- Python, to perform and automate advanced spatial processing of large spatial data with python Geo libraries
- To bring End user interactivity on visualized spatial data using HTML, CSS, JavaScript languages

Other technologies: Microsoft Office Suite, Google Suite, Adobe Suite

WORK EXPERIENCE

GIS Project Assistant, Kaufman Lab, UW-Madison   *August 22 - Present*
- Analysis of Wisconsin farmers market data and its geographic locations, making informed decisions and supporting the growth and sustainability of farmer's markets
- Web-scraping, cleaning errors, organizing required data for spatial processing with python and ArcGIS tools.
- Generated demographic, Public-Market connectivity, and market statistics maps on the Central Wisconsin region

Information & Document Coordinator, Information School, UW-Madison   *May 22 - Aug 22*
- Created and updated UW-Madison iSchool knowledge base (KB) website information using HTML, CSS.

Operations Analyst (GIS), Sarala Project Works Pvt Ltd - [Full-time]   *INDIA July 19 - Oct 21*
- Managing and organizing a large set of GIS data related to construction projects, including site data and project plans
- Performing spatial analysis such as network analysis, buffer analysis, spatial interpolation analysis, and overlay analysis to support construction planning, such as analyzing site conditions, assessing the impact of construction on the surrounding environment, and identifying potential challenges and opportunities
- Planning machinery maintenance based on working geographic location conditions for better performance to reduce day-to-day task breakdowns
- Monthly, quarterly, and YTD reports are generated in a tabular and graphical format for decision-making to improve project efficiency and cost-cutting.
- Collaborating with other departments, such as engineering and operations, to ensure the effective use of GIS data and understanding of Maps precisely.

ACADEMIC PROJECTS

U.S. Army base and it's GDP [Link to Map]   *March 22 - May 22*
- A static map developed with Geospatial analysis of several components of U.S. Army statistics such as army population, GDP consumption Tax effect describing on each state.
- Worked on humanizing the representation of information by designing Chernoff face, adhering to cartographic design principles. Utilized design methods to represent four spatial variables at once.
- Analyzed color schemas, developed Chernoff face attributes, mined data from several online forums, and orchestrated the overburden borne by various states to support the expenses of the U.S. army.

Cardiovascular Health Quake - [Link to Map]   *Sep 22 - Oct 22*
- Developed a digital storyboard with engaging bi-variate geospatial analysis between cardiovascular issues based on work-life balance in visual storytelling.
- Worked with cleansing a colossal compilation of cardiovascular diseases and work-life balance. Thereby creating a ranking system based on the analysis.