

Ramakrishna Raju Gangaraju

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Links: [LinkedIn](#) [Portfolio Website](#)

EDUCATION

University of Wisconsin - Madison | MS in GIS & Cartography *Jan 22 - Present (CGPA: 3.5/4)*
Courses: *Geographic Information Systems(GIS) Spatial analysis, Graphic Design Cartography, Advanced Geocomputing Geospatial Big data analytics (AI,ML)*, Interactive GeoVisualization**
Vignan's University | Bachelors degree *July 15 - June 19 (CGPA: 7.4/10)*
Majors in Mechanical Engineering and Minors in Information Technology

TECHNICAL SKILLS

GIS Tools: ESRI ArcGIS Pro, ArcGIS Desktop, Google Earth, QGIS, AutoCAD

- Creating, and editing of spatial and non-spatial to perform spatial data analysis
- Geocomputing using python programming with Arcpy, GDAL and OGR Modules
- Spatial analysis – Buffer analysis, Proximity analysis, Network analysis, georeferencing, geoprocessing

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

- Creating, editing the structured data, semi structured data, and unstructured data

CERTIFICATIONS

Data Analysis with Python, Python 101 for Data Science

WORK EXPERIENCE

Project Assistant, Kaufman Lab, Department of Planning & Landscape Architecture *August 22 - Present*

- Developing Wisconsin farmers market spatial data for internal decision-making with map infographics.
- Working with end-to-end ArcGIS tools to build GIS spatial analysis and automating using Python.
- Designing and updating market information in Google MyMaps for public use.

Information Document Coordinator, Information School, UW-Madison *May 22 - Aug 22*

- Created and updated iSchool knowledge base (KB) website using HTML, CSS Bootstrap.

Operations Analyst, Sarala Project Works Pvt Ltd - [Full-time] *July 19 - Oct 21*

- Collected and updated GIS data to conduct spatial analysis.
- Performed network analysis in designing for freeways project.
- Designed oxygen supply vents and escape points in tunnel projects.
- Machine equipment analysis, decision making, cost-cutting on equipment overhauling, reports for project acquisition, and deployed IT solutions for insights.

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.

**Will be taken in Spring 2023*