RAJA ARAVINDH

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Portfolio-website 🌐

ABOUT ME

Self-motivated and dedicated person with high moral values, looking for a challenging position where I can leverage my skills, expand my knowledge and grow with the company.

SKILLS

GEOSPATIAL SOFTWARE:

- **ARCGIS Desktop**- ArcMap 10x, ArcGIS pro 3x, Arcpy
- **ArcGIS Online -** ArcGIS API for JavaScript
  - ArcGIS Experience builder
  - ArcGIS Dashboard
- **QGIS, ERDAS IMAGINE**

PROGRAMING LANGUAGES:

- **PYTHON -** ArcPy, NumPy, pandas
- **JAVASCRIPT -** jQuery, Node.js, Git, GitHub, React.js
- **CORE JAVA**
- **SQL** (Basics)
- **HTML, CSS -** Bootstrap

PROJECTS

1. **Studied the Variation in Urban Heat Island Effect among Indian cities using Geospatial Technology.**
   - The scope of the study is to understand how the cities in different climatic regions are affected differently by the sun's radiation with respect to their rural counterparts.

2. **Created an interactive Web App about the availability of Sanitation Facilities & Drinking Water to Indian Households using _ArcGIS Experience Builder_.**
   - It helps to visualize, interact and compare the availability of Sanitation facilities and Drinking Water Sources to Indian Households at Taluk, District and State level.

3. **Developed a Python Toolbox tool for change analysis between raster datasets using _ArcPy_.**
   - The tool computes the changes between two rasters and generates a new raster incorporating those changes.

4. **Created an _ArcGIS Dashboard_ App about the Covid-19 vaccination of the world.**
   - It is an interactive dashboard which shows the country-wise data of the first, second and booster doses administered for Covid-19.

5. **Developed a custom script tool for delineation of watershed from DEM image using _ArcPy_.**
   - The tool automates delineation of watershed basin(s) for the given pour point or for the entire DEM image. At first this tool was built with ArcGIS Model-builder, later to increase the functionality it was converted into Python Script Tool.

To know more about my projects, I strongly recommend you to visit my Portfolio website.

INTERNSHIP

- Internship on "**GEOSPATIAL TECHNOLOGIES**" - from Centre for Remote Sensing and Geoinformatics, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu.

- internship on "**ArcGIS and Erdas Imagine**" - from Centre for Information Science and Technology, University of Mysore, Mysuru, Karnataka.

EDUCATIONAL BACKGROUND

DEGREE	INSTITUTION	GPA/PERCENTAGE
M.Sc in Applied Geology.* (2020-22)	University of Mysore, Karnataka.	*GPA - 8.5.*
PG Diploma in GIS. (2022-23)	GIS Vision India, Guwahati.	--
B.Sc in Geology. (2014-17)	National college, Trichy, Tamil Nadu.	*GPA - 8.07.*
12th standard	BAVN, Sathyamangalam, Tamil Nadu.	*Percent - 92.8%.*
10th standard	Adharsh Vidhyalaya, Erode, Tamil Nadu.	*Percent - 94.8%.*

VOLUNTEER WORKS

- Volunteered and worked for '**Vanagam - Nammalvar Ecological Foundation'** - an NGO based at Karur, Tamil Nadu, that concentrates on Environment, Organic farming, Traditional Medicine and Education.

- Volunteered and worked for '**Puvidham**' - an NGO based at Dharmapuri, Tamil Nadu that works on Sustainable Living, Alternative schooling, etc.

STRENGTHS

- Self-confident, Patient & Smart Worker.
- Dedicated & Self-motivated.
- Analytical & Critical Thinker.
- Adaptable to new technologies.

LANGUAGES

- English
- Tamil
- Kannada

EXTRA - CURRICULAR

- **NCC :** 'A'- Grade in B and C certificates.
- **Karate:** Black belt - I
- **Sports:** Hand ball, Athletics, Chess.

ADDRESS

S/O of M.Gangadhran,
Appusamy Thottam, M.Kattai,
kothanur (PO), Kollegal,
Karnataka. - 571440.

* Unable to complete the Dissertation presentation
  as I met with an accident.