RAJAMOHAN M R

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SUMMARY

- **3.10 years** experience in Geospatial applications.
- Knowledge in GIS model builder, Satellite image classification, Digital image processing, spatial analysis and mapping.

EMPLOYMENT HISTORY

Duration	Organization	Designation	Job Profile
Oct 2016 – Present	**IDFC Institute**'s smart city and infrastructure development project	Senior GIS Image Analyst	• Impact assessment and strategies on socio-economic characteristics of the city using GHSL and SEDAC datasets. • Generation of smart city urban extent boundaries by using urban landscape analysis. • Zonal statistical calculation for Indian cities using DMSP OLS Night-time light data of Non-Radiance calibrated, Radiance calibrated and VIIRS by R Script and MATLAB. • Friction surface and accessibility map preparation to approach nearest high density cluster (Ministry of rural development). • Meeting with client, analytical research and periodical discussion. • GIS server, including GIS / map services and web applications.
June2015 - Sep 2016	**UXO-India (MES)** conjunction with **New York University Stern School of Business**	GIS Image Analyst	• Mapping the urban pattern for global cities. • Unsupervised classification from Landsat data. • Generating Halton points by measuring built-up land uses with help of python script. • Managed daily task and using problem solving techniques as defined in GIS structure to solve daily requirements in a cost and time effective manner and presenting city presentation. • Mapping the arterial road network for the cities. • www.atlasofurbanexpansion.org

ACADEMICS

Course	Institution	Year	Marks
M Tech Remote Sensing	AERI, Hosur	2015	81%
B.Tech Geotechnology & Geoinformatics	Bharathidasan University, Trichy	2013	75%
HSC	TNPL Matriculation Higher Secondary School, TN.	2009	73%
SSLC	TNPL Matriculation Higher Secondary School, TN.	2007	68%

ACADEMIC PROJECTS

Year	Title	Details
2015	**Major:** Remote Sensing Based Geomorphological Investigations and Evaluation of Erosion / Accretion pattern along the Southern Karnataka Coast.	**Motive**: To map the evolution of landform changes, quantitative estimation of morphological changes and to study effective sustainable coastal zone management. **Tools**: ArcGIS, ERDAS Imagine and GPS **Duration** 6 months **Place**: AERI, Hosur
2013	**Mini:** Remote Sensing and GIS Based Watershed Management Plan in Ayyar river basin, Tamilnadu, India.	**Motive**: Calculation of morphometric analysis and to find out artificial recharge zones **Tools**: ArcGIS, ENVI and GPS **Duration** 3 months **Place**: Bharathidasan University
	Major: Landslide Hazard Zonation Using Geospatial Technology In parts of Kodaikanal Hill Region, Tamilnadu, India.	**Motive**: To find out the frequency of landslide and vulnerable prone zones for future happenings. **Tools**: ArcGIS, ENVI and GPS **Duration** : 6 months **Place**:Bharathidasan University

SOFTWARE KNOWLEDGE

GIS Software: Arc GIS (Model Builder), QGIS, JOSM (Java open street Map), AutoCAD CIVIL 3D.
Image Processing Software: ERDAS Imagine, ENVI.
Programming Language Support: R script and Python.
Desktop Software: MS Office – MS Excel, MS Word, MS Power point

HARDWARE KNOWLEDGE

Total station, DGPS and Resistivity meter.

TRAININGS AND WORKSHOPS

- I have gone under **Training in Surveying** held on September 14-17, 2010 at **PG and Research Department of Geology**, National College, Trichy, Tamilnadu.
- Participated in the **ISRO-NRSC** sponsored workshop **"Bhuvan"** which held at **Bangalore University** on 17th March 2012, Bangalore, Karnataka.
- Under gone a FIVE days **In Plant Training Programme** about Mining Technology in **"BURN & CO"(Undertaken by SAIL) India ltd** in SALEM, Tamilnadu.
- Participated and presented a paper entitled **"Groundwater Potential Zone in hard rock region of Salem using Remote Sensing and GIS"** in the national seminar on Geo-informatics for River Basin Studies during March 3- 4, 2012 at department of Geography, School of Geosciences, Bharathidasan University, Trichy, Tamilnadu.
- Participated and presented a paper entitled **"Mineral exploration Using Remote Sensing Techniques"** in the AGE 12 on 18-19th February 2012 at **Department of Geology**, Anna University, Chennai, Tamilnadu.
- Under gone FOUR days **In Plant Training Program in Oil and Natural Gas Corporation Ltd.(ONGC) CAUVERY ASSET- KARAIKAL**, Tamilnadu.
- Participated workshop on title **"OPENSOURCE WEBGIS"** in **ANNA UNIVERSITY**, Chennai, Tamilnadu.
- Undergone five days **AutoCAD Civil 3D** Training Program conducted by **Capricot Technologies Pvt Ltd-Bangalore**, Karnataka.
- Undergone workshop on title **"FLOOD INUNDATION MAPPING AND DAMAGE ASSESSMENT"** conducted by **Centre for Disaster Mitigation and Management (CDMM)**, VIT University, Vellore, Tamilnadu.
- Published and Presented a paper on title "Landslide Hazard Zonation Using Geospatial Technology in Parts of Kodaikanal Hill Region, Tamilnadu, India" in **Disaster, Risk and Vulnerability Conference**, **Dept of Geology, University of Kerala**, Trivandrum, **ISBN 9788192344928, Page no:141**.
- Part of my work gets published in Indian Government's **"Economic Survey 2016-2017 Vol.2"** on the topic of "How Urban is India?" Please get the Link here.
- Created the maps for India Infrastructure report **2018**: Making housing affordable - Link.

Languages Known   : English, Tamil and Hindi.

Passport: Available

I hereby declare that the above details are true to my knowledge.